


The Johns Hopkins University



*Conferring of Degrees
At the Close of the
112th Academic Year
May 26, 1988*

Hopkins



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ORDER OF PROCESSION

MARSHALS

EDWARD J. BOUWER
DONALD A. CORNELLY
MARC D. DONOHUE
BRUCE R. EICHER
JOHN W. GRYDER
BONNIE J. LAKE
RICHARD A. MACKSEY

MARION C. PANYAN
PETER B. PETERSEN
A. J. R. RUSSELL-WOOD
GERARD H. SCHLIMM
HENRY M. SEIDEL
STELLA SHIBER
I. WILLIAM ZARTMAN

THE GRADUATES

*

MARSHALS

JEROME B. SCHNEEWIND
CHARLES ROGER WESTGATE

THE FACULTIES

*

MARSHALS

ROBERT E. GREEN
OWEN M. PHILLIPS

THE DEANS

MEMBERS OF THE SOCIETY OF SCHOLARS

OFFICERS OF THE UNIVERSITY

THE TRUSTEES

*

CHIEF MARSHAL

NATHANIEL B. THAYER

THE CHAPLAINS

THE PRESENTERS OF THE HONORARY DEGREE CANDIDATES

THE HONORARY DEGREE CANDIDATES

THE PROVOST OF THE UNIVERSITY

THE CHAIRMAN OF THE BOARD OF TRUSTEES

THE PRESIDENT OF THE UNIVERSITY

*

ORDER OF EVENTS

STEVEN MULLER

President of the University, presiding

* * *

PRELUDE

Suite of Nine Intrades, Sonatas, Bals and Sarabandes

JOHANN CHRISTOPH PEZEL (1639-1694)

*

PROCESSIONAL

*The audience is requested to stand as the Academic Procession
moves into the area and to remain standing after
the Invocation*

FESTIVE MARCHES

*from "Belshazzar, Floridante, Ezio,
Saint Cecilia's Day, Rinaldo, Scipione"*

GEORG FRIEDRICH HANDEL
(1685-1759)

La Mourisque

TIELMAN SUSATO
(?-1561)

*

THE PRESIDENT'S PROCESSION

Fanfare

WALTER PISTON
(1894-1976)

Marches from Judas Maccabaeus

GEORG FRIEDRICH HANDEL
(1685-1759)

*

INVOCATION

GRETCHEN VAN UTT

Chaplain

The Johns Hopkins University

*

THE NATIONAL ANTHEM

*

GREETINGS

GEORGE G. RADCLIFFE
Chairman of the Board of Trustees

*

PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

IAN CREESE	SUSHILA NAYAR
PAUL ALLEN EBERT	SIDNEY RAFFEL
CHARLES EDWARD	BERNARD ROIZMAN
NEIL HEIMAN	ROBERT D. SIMONI
GORDON R. HENNIGAR	HENRY S. SUSSMAN
DUDLEY P. JACKSON	LESLIE WEINER

DAVID G. WHITTINGHAM

SCHOLARS PRESENTED BY JOHN V. LOMBARDI
Provost of the University

*

THE FESTIVAL BRASS
ELLERY B. WOODWORTH, Conductor
EARLE OF OXFORD'S MARCH
from "THE BATTELL"

WILLIAM BYRD
(1543-1623)

*

CONFERRING OF HONORARY DEGREES

DANIEL J. BOORSTIN
NORMAN C. FRANCIS
SOHEI NAKAYAMA
FABIO ROVERSI-MONACO
JOHN E. SAWYER
J. WILLIAM FULBRIGHT

*

ADDRESS

J. WILLIAM FULBRIGHT
Former United States Senator

*

CONFERRING OF DEGREES ON CANDIDATES

BACHELORS OF ARTS

Presented by

LLOYD ARMSTRONG, JR.

Dean, School of Arts and Sciences

* * *

BACHELORS OF CIVIL ENGINEERING

BACHELORS OF ELECTRICAL ENGINEERING

BACHELORS OF INDUSTRIAL ENGINEERING

BACHELORS OF MECHANICAL ENGINEERING

BACHELORS OF ARTS

BACHELORS OF SCIENCE IN BIOMEDICAL ENGINEERING

BACHELORS OF SCIENCE IN CHEMICAL ENGINEERING

BACHELORS OF SCIENCE IN CIVIL ENGINEERING

BACHELORS OF SCIENCE IN ELECTRICAL ENGINEERING

BACHELORS OF SCIENCE IN ENGINEERING MECHANICS

BACHELORS OF SCIENCE IN MATERIALS SCIENCE

AND ENGINEERING

BACHELORS OF SCIENCE IN MATHEMATICAL SCIENCES

Presented by

V. DAVID VANDELINDE

Dean, G.W.C. Whiting School of Engineering

* * *

PERFORMER'S CERTIFICATES

BACHELORS OF MUSIC

Presented by

ROBERT O. PIERCE

Director, Peabody Conservatory of Music

* * *

BACHELORS OF SCIENCE

Presented by

CAROL J. GRAY

Dean, School of Nursing

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

ASSOCIATES OF ARTS
ASSOCIATES OF SCIENCE
BACHELORS OF SCIENCE

Presented by
STANLEY C. GABOR
Dean, School of Continuing Studies

* * *

MASTERS OF SCIENCE
MASTERS OF ARTS IN TEACHING
MASTERS OF LIBERAL ARTS
MASTERS OF ADMINISTRATIVE SCIENCE
CERTIFICATES OF ADVANCED STUDY

Presented by
STANLEY C. GABOR
Dean, School of Continuing Studies

* * *

PROFESSIONAL STUDIES CERTIFICATE
MASTERS OF MUSIC
ARTISTS DIPLOMA

Presented by
ROBERT O. PIERCE
Director, Peabody Conservatory of Music

* * *

MASTERS OF SCIENCE
MASTERS OF HEALTH SCIENCE
MASTERS OF PUBLIC HEALTH

Presented by
DONALD A. HENDERSON
Dean, School of Hygiene and Public Health

* * *

CONFERRING OF DEGREES ON CANDIDATES

continued

MASTERS OF ARTS IN INTERNATIONAL AFFAIRS

MASTERS OF INTERNATIONAL PUBLIC POLICY

MASTERS OF ARTS

Presented by

GEORGE R. PACKARD

Dean, School of Advanced International Studies

* * *

MASTERS OF ARTS

Presented by

RICHARD S. ROSS

Dean, School of Medicine

* * *

MASTERS OF SCIENCE

MASTERS OF CHEMICAL ENGINEERING

MASTERS OF CIVIL ENGINEERING

MASTERS OF MECHANICAL ENGINEERING

MASTERS OF ARTS

MASTERS OF SCIENCE IN ENGINEERING

Presented by

V. DAVID VANDELINDE

Dean, G.W.C. Whiting School of Engineering

* * *

MASTERS OF ARTS

Presented by

LLOYD ARMSTRONG, JR.

Dean, School of Arts and Sciences

* * *

DOCTORS OF EDUCATION

Presented by

STANLEY C. GABOR

Dean, School of Continuing Studies

* * *

CONFERRING OF DEGREES ON CANDIDATES

continued

DOCTORS OF MUSICAL ARTS

Presented by

ROBERT O. PIERCE

Director, Peabody Conservatory of Music

* * *

DOCTORS OF SCIENCE
DOCTORS OF PUBLIC HEALTH
DOCTORS OF PHILOSOPHY

Presented by

DONALD A. HENDERSON

Dean, School of Hygiene and Public Health

* * *

DOCTORS OF PHILOSOPHY

Presented by

GEORGE R. PACKARD

Dean, School of Advanced International Studies

* * *

DOCTORS OF MEDICINE
DOCTORS OF PHILOSOPHY

Presented by

RICHARD S. ROSS

Dean, School of Medicine

* * *

DOCTORS OF PHILOSOPHY

Presented by

V. DAVID VANDELINDE

Dean, G.W.C. Whiting School of Engineering

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

DOCTORS OF PHILOSOPHY

Presented by
LLOYD ARMSTRONG, JR.
Dean, School of Arts and Sciences

* * *

STATEMENT TO THE GRADUATES

STEVEN MULLER
President of the University

*

BENEDICTION

CLYDE R. SHALLENBERGER
Director
The Chaplaincy Service
The Johns Hopkins Hospital

*

RECESSIONAL

March
C.P.E. BACH
(1714-1788)
Water Music
GEORG FRIEDRICH HANDEL
(1685-1759)

*The audience is requested to remain standing after the
Benediction until the principals, officials, members of the
faculties, and the graduates have left the area.*

THE JOHNS HOPKINS SOCIETY OF SCHOLARS

The Johns Hopkins Society of Scholars was created on the recommendation of former President Milton S. Eisenhower and approved by the University Board of Trustees on May 1, 1967. The Society—the first of its kind in the nation—inducts former postdoctoral fellows at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social, or engineering sciences, or the humanities, and for whom at least five years have elapsed since their postdoctoral work. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the Scholars from the candidates nominated by the academic divisions having programs for postdoctoral fellows. Each division has the privilege of nominating up to three candidates for each election year. The Scholars are invested during the Commencement ceremony, the Commemoration Day ceremony, or on some similar occasion. At that time, they are presented with a certificate and a medallion with a black and gold ribbon. The Scholars wear the medallion around the neck and they also wear academic costumes.

Today we honor 13 new members who have been elected this year to the Johns Hopkins Society of Scholars.

Dr. Ian N. R. Creese is professor of neuroscience and co-director of the Center for Molecular and Behavioral Neuroscience at Rutgers—The State University of New Jersey. He was a postdoctoral fellow in the Department of Pharmacology in the School of Medicine from 1973 to 1977. Dr. Creese has focused his research on the link between behavior and specific neurotransmitters. Following the publication of classic papers on the role of dopamine and the effects of other psychoactive drugs, he was able to identify two distinct types of dopamine receptors. Dr. Creese's work has direct application in the understanding of supersensitivity to neuroleptic drugs and to the alteration in synaptic transmission with aging.

Dr. Paul Allen Ebert is director of the American College of Surgeons. He was a postdoctoral fellow in the Department of Surgery in the School of Medicine from 1958 to 1960 and from 1962 to 1966. One of the world's outstanding pediatric heart surgeons, Dr. Ebert has played a major role in the development of surgery in this country. He has contributed extensively to the literature and chaired departments at two major institutions before becoming director of the American College of Surgeons.

Dr. Charles Edwards is professor of biological sciences at the State University of New York at Albany. He was a postdoctoral fellow in the Department of Ophthalmology in the School of Medicine from 1955 to 1958. Dr. Edwards has concentrated his research on the electroneurophysiology of single cells, where he made signal contributions to our understanding of the processes that control and modify electrical activity of nerve and muscle. In addition to his laboratory research, he is noted for his role in international education and as the author of highly regarded critical reviews that are especially valued for their historical perspective.

Dr. Neil Heiman is director of technology at Seagate Magnetics in Fremont, California. He was a postdoctoral fellow in the Department of Physics in the School of Arts and Sciences from 1969 to 1970. Dr. Heiman developed important techniques using muon spin resonance to study the magnetic behavior of impurities in solids. His investigations have been especially useful in describing the properties of ultrathin magnetic films, a field of intense commercial interest.

Dr. Gordon R. Hennigar is professor and chair of the Department of Pathology at the Medical University of South Carolina in Charleston. He was a postdoctoral fellow in the Department of Pathology in the School of Medicine from 1948 to 1950. Dr. Hennigar is a prominent diagnostic pathologist whose research focus has been on chemical and drug toxicity. He also has taken a lead role in the development of forensic pathology in a number of eastern states and is active in many professional societies.

Dr. Dudley P. Jackson is professor of medicine at Georgetown University School of Medicine in Washington, D.C. He was a postdoctoral fellow in the Department of Medicine in the School of Medicine from 1947 to 1949 and from 1951 to 1954. Dr. Jackson began his work in hematology with studies of the effects of radiation injury. His later work, which has been recognized by a number of important awards, has concentrated on blood coagulation mechanisms and the role of platelets.

Dr. Sushila Nayar is president of the Kasturba Health Society and director of the Mahatma Gandhi Institute of Medical Sciences in New Delhi, India. She was a postdoctoral fellow in the Department of Maternal and Child Health in the School of Public Health in 1950. A central figure in the development of health care programs and educational institutes in India for over four decades, Dr. Nayar established many fundamental health programs—including the treatment and control of malaria, venereal diseases, tuberculosis, and leprosy—during her service as Minister of Health. She also was active in the establishment of emergency medical services in New Delhi. The founder of the Mahatma Gandhi Institute of Medical Sciences, which brings medical training to the rural areas, Dr. Nayar continues to be active in programs of the Institute.

Dr. Sidney Raffel is professor emeritus in the Department of Dermatology at Stanford University School of Medicine. He was a postdoctoral fellow in the Department of Immunology in the School of Public Health from 1933 to 1935. Dr. Raffel conducted early work on the immunological specificity of tissue and cell antigens, including investigations of a group of heat-stable haptens of organs and tissues. His studies delineated the relationship between hypersensitivity and immunity in tuberculosis and related diseases. Dr. Raffel also has been an active participant in the development of several national committees concerned with research in allergies and infectious diseases.

Dr. Bernard Roizman is professor of virology and chair of the Department of Molecular Genetics and Cell Biology at the University of Chicago. He was a postdoctoral fellow in the Department of Microbiology in the School of Public Health from 1956 to 1958. Dr. Roizman is one of the world's outstanding virologists. Following his early work with poliomyelitis, he has studied the affects of the herpes virus with special emphasis on its relationship to cancer. Dr. Roizman's educational efforts include editorships of several journals and organizational roles in a number of international meetings.

Dr. Robert D. Simoni is professor in the Department of Biological Sciences at Stanford University. He was a postdoctoral fellow in the Department of Biology in the School of Arts and Sciences from 1966 to 1971. Dr. Simoni is a leading contributor to our understanding of cellular transport. He has studied the properties of these processes for a number of systems, with special interest in sugar and cholesterol transport.

Dr. Henry Sussman is professor and director of the Program in Comparative Literature at the State University of New York at Buffalo. He was a postdoctoral fellow in the Humanities Center in the School of Arts and Sciences from 1976 to 1978. Dr. Sussman is an expert on literary comparisons and on the use of language. Wide-ranging in his approach to literature, he has written and lectured on authors from Hegel and Hawthorne to Kierkegaard and Kafka.

Dr. Leslie P. Weiner is professor and chair of the Department of Neurology at the University of Southern California School of Medicine. He was a postdoctoral fellow in the Department of Neurology in the School of Medicine from 1962 to 1965 and from 1967 to 1969. A leader in the field of neurology, Dr. Weiner recently has applied molecular biological techniques to the study of chronic viral infection of the nervous system and to chronic demyelination with great success. He has served the academic community as a member of the advisory board of a number of national organizations concerned with neurology.

Dr. David G. Whittingham is director of the MRC Experimental Embryology and Teratology Unit at MRC Laboratories in Carshalton, United Kingdom. He was a postdoctoral fellow in the Department of Population Dynamics in the School of Public Health from 1966 to 1967. Dr. Whittingham has made numerous fundamental contributions to our understanding of the cellular and molecular processes involved in fertilization, embryogenesis, and oviductal function. His description of the role of energy sources in gamete differentiation and his development of *in vitro* preservation techniques for mammalian embryos continue to have profound impact on the agricultural and reproductive sciences as well as on genetics and developmental biology.

Citation Read by

WILLIAM W. FREEHLING

in Presenting

DANIEL JOSEPH BOORSTIN

for the Degree of Doctor of Humane Letters

May 26, 1988

Historian, educator, lawyer, and bibliophile, you have dedicated your life to the search for meaning in our nation's past. During four decades of distinguished scholarship, you have communicated the sense of wonder, adventure, and exploration that underlies our history as Americans.

Perhaps the root of your sensitivity to the meeting of cultures and peoples that is at the heart of American history lies in your personal experience as the son of Russian immigrants living in Atlanta and Tulsa during the first decades of this century.

After earning a bachelor's degree summa cum laude from Harvard University in 1934, and armed with a Rhodes Scholarship, you crossed the Atlantic to Oxford University. From that institution, you received first-class honors and degrees in jurisprudence and civil laws in 1936 and 1937.

That youthful experience of observing your homeland from afar deepened the comparative approach to American history that would characterize such widely admired books as the three-volume work, *The Americans*, for which you received Columbia University's Bancroft Prize in 1959, the Francis Parkman Medal of the American Society of Historians in 1966, and the Pulitzer Prize in history in 1974.

The Discoverers, your 1983 best-selling chronicle of our search for knowledge, has been called a remarkable history, full of dramatic tension, delight, charm, and entertainment.

You were professor of history at the University of Chicago for twenty-five years, visiting lecturer at universities throughout the world, and director of the Smithsonian Institution's National Museum of History and Technology. In 1975, the twin paths of your career as a historian and educator converged in a post that seemed to have been created with you in mind: Librarian of Congress. What better place for someone who, in the words of Supreme Court Justice Felix Frankfurter, "knows books, loves books, and makes books."

The success of your effort to humanize the citadel on Capitol Hill was evident in the near-doubling of the number of people who used it. Beyond numbers, your stewardship there provided the nation with a visible model of someone for whom the stacks of faceless documents are vibrantly alive, resonating with the secret of our identity.

Daniel Joseph Boorstin, in recognition of your lifelong celebration of our nation's past, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

RICHARD S. ROSS

in Presenting

NORMAN CHRISTOPHER FRANCIS

for the Degree of Doctor of Humane Letters

May 26, 1988

Lawyer, educator, and civic leader, you are admired for your efforts to improve the quality of education at all levels and for your leadership of the nation's only Catholic university with a predominantly black enrollment.

Throughout your distinguished career in education, four presidential administrations have sought your guidance and counsel. Most recently, you served as a member of the National Commission on Excellence in Education, whose findings, published in the report "A Nation at Risk," alerted the American public to the urgent need for educational reform in the nation's school systems.

During twenty years as president of Xavier University of Louisiana, you have guided that institution through a period of great physical and academic expansion. Today, Xavier can claim to be first among the nation's universities in placing black students in medical and health-related professional schools. At Johns Hopkins, we have looked to your university's innovative Project SOAR, a nationally recognized transition program for high school students preparing to enter college, as the model for the Summer Scholars Program of the Hopkins-Dunbar Project.

The leadership skills you have demonstrated at Xavier, where you received a bachelor's degree in 1952 before earning a doctor of jurisprudence degree from Loyola University Law School in 1955, have also benefited numerous other academic and civic organizations. You have served as president of the United Negro College Fund and as chairman of the board of the Southern Association of Colleges and Schools and of the Educational Testing Service, to name only a few.

Your community also knows you as an articulate spokesperson and supporter, from your days as a negotiator during the struggle for civil rights to your current service as chairman of the board of Liberty Bank & Trust, chairman of the New Orleans Aviation Board, and member of the advisory board of the Times Picayune/States-Item Publishing Company.

Norman Christopher Francis, in recognition of your lifelong dedication to educational excellence for all, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

GEORGE R. PACKARD

in Presenting

SOHEI NAKAYAMA

for the Degree of Doctor of Humane Letters

May 26, 1988

Business leader and educator, you have made immeasurable contributions to the educational system of your country and have been a dedicated supporter of efforts in the United States to enhance Japanese-American understanding and cooperation.

During a distinguished career spanning more than four decades at the Industrial Bank of Japan, where you became chairman of the board in 1968, you joined other Japanese leaders in spearheading one of the most extraordinary economic successes in modern history. Since 1984, you have served as the bank's special adviser and as a statesman in your nation's political and economic affairs.

Beyond technological and economic achievement, the vision you hold for your country has extended to revitalizing its educational system and fostering a more international outlook among its people. Toward that goal you have worked untiringly as chairman of the Prime Minister's Commission on Education Reform and as the founding chairman of the board of the International University of Japan.

Now entering its seventh year, the university you founded, with its international faculty welcoming students from Japan, the United States, Southeast Asia, Europe, and Africa, is the first institution of its kind in Japan and the embodiment of your dream to create a truly international-minded nation. The Johns Hopkins University is proud of the school's exchange agreement with our School of Advanced International Studies, and of the fact that its first American graduate was an alumnus of SAIS. We are also grateful for your generous support of the Reischauer Center for East Asian Studies.

Sohei Nakayama, in recognition of your significant contributions to international education and to improved understanding between our two nations, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

ADRIAN LYTTTELTON

in Presenting

FABIO ALBERTO ROVERSI-MONACO

for the Degree of Doctor of Humane Letters

May 26, 1988

Lawyer, scholar, and educational leader, you come to Johns Hopkins today as an eminent constitutional lawyer and as head of one of Europe's oldest and greatest academic institutions, the University of Bologna.

As we join you in celebrating the 900th anniversary of Bologna's venerable tradition as a center of learning, we also are proud to celebrate more than three decades of friendship between our two institutions. Indeed, it was through the support and generosity of the University of Bologna that in 1955 the fledgling Bologna Center of the School of Advanced International Studies found its first home in borrowed classrooms.

You have combined a distinguished academic career at the University of Bologna with a life of service to your country. For almost twenty years before your appointment as rector in 1985, you served as professor of constitutional law. You also have been a valued adviser to the Italian government, outlining the legal issues involved in the privatization of Italy's industries and services, developing proposals to improve its health conditions, and assisting in the reform of its educational system. The title you hold of Grand Officer of the Republic of Italy, the highest honor your nation can bestow, attests to your achievements.

Fabio Alberto Roversi-Monaco, in admiration of your scholarship and in gratitude for your friendship, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by

ELIZABETH CROPPER

in Presenting

JOHN EDWARD SAWYER

for the Degree of Doctor of Humane Letters

May 26, 1988

Teacher, scholar, and college and foundation president, you are esteemed for your thoughtful reflections on the past, present, and future of our nation, and for your support of the intellectual endeavors that will prepare us for the twenty-first century.

For four decades, as an economic historian at Harvard and Yale universities, and as president of Williams College and the Andrew W. Mellon Foundation, your professional life has been spent in the service of education and scholarship.

Indeed, few institutions and individuals in the United States who are engaged in the arts, higher education, medicine, public health, or the environment, have failed to benefit from the institution you headed for twelve years: the Andrew W. Mellon Foundation. Johns Hopkins is no exception.

Look in front of you and see the Milton S. Eisenhower Library, whose work to preserve the records of our intellectual life you helped support. Look behind you at Gilman Hall, the seat of the humanities at this university, where scholars are able to contribute to the intellectual discourse of our time in part because of the foundation's generosity. Look now toward the Medical Institutions in East Baltimore and see the young researchers whose explorations into unknown scientific territory you have encouraged.

The new approaches you championed to meet the changing conditions in our society while president of the Andrew W. Mellon Foundation also characterized your twelve-year tenure as president of your alma mater, Williams College, during the 1960s and early 1970s. The diversification of its student body—including the admission of women—and of its curriculum—including the study of societies beyond Western Europe and North America—reflected the breadth of your vision.

John Edward Sawyer, in gratitude for the support you have given to our nation's institutions and for your faith in the promise of its artists, scholars, and researchers, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

Citation Read by
FRANKLIN W. KNIGHT
in Presenting
JAMES WILLIAM FULBRIGHT
for the Degree of Doctor of Humane Letters
May 26, 1988

Lawyer, statesman, educator, and citizen of the world, your name is synonymous with international understanding and cooperation. Your leadership in the Congress of the United States was characterized by rare insight, unfailing courage, and the unshaken belief that peace among the nations of this world is not the result of parochial outlooks or the quest for superiority but of open communication and a perceptive understanding of divergent cultures and aspirations.

The origin of your lifelong commitment to international education lies in your own experience as a Rhodes Scholar at Oxford University, where you earned bachelor's and master's degrees with honors in history and political science from 1925 to 1931. After receiving your law degree with distinction from George Washington University and following several years as a professor of law and later president of the University of Arkansas, in your native state, you embarked on a distinguished career in Congress. As a representative from 1942 to 1944, and then as a senator until 1974, you made enduring contributions to peace and international understanding.

The pioneering educational exchange program you initiated in 1946 and that bears your name—the Fulbright Program—embodies your philosophy of international understanding. Since its inception, more than 168,000 students and scholars from 120 nations have been enriched by the experience of living, studying, and developing friendships with individuals in cultures other than their own. Johns Hopkins has benefited directly from your support of international education since you were a member of the founding board of this university's School of Advanced International Studies.

Your name is also associated with another instrument of peace, the United Nations, for it was the Fulbright Resolution of 1943, introduced shortly after your election to the House of Representatives, that eventually led to the creation of this international body.

From 1949 until 1974, as a member and then chairman of the Senate Committee on Foreign Relations, you tackled some of the most difficult and painful issues in post-war American foreign policy. On the brink of the Cold War and of the national agony of our involvement in Southeast Asia, you spoke out early and eloquently, a voice calling for balance, understanding, and the responsible use of power.

James William Fulbright, in recognition of your distinguished and courageous contributions to the search for world peace and for your support of young scholars everywhere, The Johns Hopkins University is proud to confer upon you the degree of Doctor of Humane Letters, *honoris causa*.

THE UNIVERSITY MACE

The University Mace carried by the Chief Marshal, Dr. Nathaniel B. Thayer, was first used at the 1954 Commemoration Day Exercises. Eight symbols are hand wrought in sterling silver on an ebony staff. The symbols represent man's cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

THE PRESIDENTIAL INSIGNIA

University President Steven Muller is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of each of the ten Johns Hopkins University Presidents are engraved on the faces of ten of the links. On the reverse are engraved the names and dates of office of each President. Ten blank links for future use are included. The University Seal completes the design.

ACADEMIC DRESS

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round, but has changed to the varieties that we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms worn through the slits in the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper arm. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are of the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one half feet long. The Doctor's hood is four feet long, of fuller shape and rounded at the base.

The hood is bordered with velvet, the color of which indicates the field of study in which the degree was earned:

<i>Dark blue — Philosophy</i>	<i>Green — Medicine</i>
<i>Light blue — Education</i>	<i>Salmon pink — Public Health</i>
<i>Orange — Engineering</i>	<i>Pink — Music</i>
<i>Gold-yellow — Science</i>	<i>Purple — Laws</i>
<i>White — Arts and Letters</i>	

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold chevron — Johns Hopkins	Purple — New York University
Light blue, white chevron — Columbia	Bright red — Wisconsin
Dark blue — Yale	Plum, with scarlet — London
Blue with white chevron — Duke	Maroon — Chicago
Dark blue, two orange chevrons — Illinois	Crimson — Harvard
Light blue, two white chevrons — North Carolina	Carnelian, two white chevrons — Cornell
Old gold, maroon chevron — Minnesota	Cardinal — Stanford
Old gold — Iowa	Red, tri-Chevron in center — Heidelberg
Gold, blue chevron — California	Dandelion yellow — Michigan
Gold — Virginia	Maize, azure blue chevron — Sorbonne
Purple, gold chevron — Northwestern	Yellow and white — Rochester
Carnegie Tartan — Carnegie-Mellon	

THE UNIVERSITY MOTTO

Veritas vos liberabit.

The truth shall make you free.

—St. John 8:32

AWARDS

IN THE SCHOOLS OF ARTS AND SCIENCES, ENGINEERING AND MEDICINE

LOUIS SUDLER PRIZE IN THE ARTS

for excellence in the creative arts

Awarded to JANICE LALIKOS

HONORABLE MENTION: Jessica Manke

IN THE SCHOOLS OF ARTS AND SCIENCES AND ENGINEERING

AMERICAN CHEMICAL SOCIETY, MARYLAND SECTION STUDENT AWARD

for outstanding scholastic achievement in chemistry and related
disciplines by an undergraduate

Awarded to JANET C. M. SUN

ROBERTO R. ARELLANO AWARD

for outstanding achievement in the senior year
by a Writing Seminars major.

Awarded to JESSICA MANKE
REBEKAH REMINGTON

LOUIS AZRAEL FELLOWSHIP IN COMMUNICATIONS

for demonstrated excellence in a field of mass communications

Awarded to LISA GOLDBERG
LISA WEISBORD

WILLIAM H. BAIN AWARD

for outstanding achievement by an undergraduate in the
Writing Seminars

Awarded to DAVID DUDLEY
LOUISE REDD

BIOMEDICAL ENGINEERING AWARD

for outstanding effort in research in Biomedical Engineering

Awarded to BERTRAM A. LEWIS, JR.
Awarded to LAWRENCE J. FOGELSON

ALEXANDER BUTLER PRIZE

for the best research paper by a first year graduate student in History

Awarded to ELIGA H. GOULD

MARY FARRELL CAMERER AWARD

for outstanding achievement in the junior year by a
Writing Seminars major

Awarded to SONDR A GUTTMAN
KATHLEEN KENNEDY

EUGENIO AND PATRICIA CASTILLO AWARD

to the best first or second year graduate student in Political Economy

Awarded to JIN SOO HAHN

G. STANLEY HALL PRIZE

for outstanding achievement by an undergraduate in Psychology

Awarded to HARRIET BOETZELEN

THE MAX HOCHSCHILD FUND

The prize is awarded annually to the undergraduate student in Business
and Industrial Management who has shown the greatest promise and
proficiency in this field and is awarded to

Awarded to LEORA FRIEDBERG

THE 3 ARTS CLUB OF HOMELAND AWARD

for outstanding achievement in the Writing Seminars

Awarded to CAROLYN MOOK

AT&T INFORMATION SYSTEMS—WILLIAM H. HUGGINS AWARD
for outstanding service and academic achievement by a senior and junior
in Electrical and Computer Engineering

Awarded to JOHN-SCOTT SMOKELIN
SUSAN LYNN WELLER

ADOLF KATZENELLENBOGEN MEMORIAL PRIZE
for outstanding work in Art History

Awarded to ELLEN COOPER ERDREICH

DONALD E. KERR MEMORIAL MEDAL
to the outstanding undergraduate major in Physics and Astronomy

Awarded to MATTHEW CLIFFORD WYANT

ARTHUR KOUGUELL PRIZE
to the outstanding undergraduate major in History

Awarded to ERIK GRAY LEDBETTER

SAMUEL H. KRESS FOUNDATION FELLOWSHIP
in the Department of the History of Art

Awarded to WILLIAM GLENN GUNHOUSE

ERNEST M. MARKS AWARD
in recognition of excellence in instruction and research in Chemistry

Awarded to NAELONG WANG
CAREEN TANG

MATHEMATICAL SCIENCES AWARD
for outstanding achievement by an undergraduate

Awarded to GARY A. HENRY

MATHEMATICS AWARD
for outstanding achievement by an undergraduate in Mathematics

Awarded to T. E. LEATHRUM

PAUL A. MCCOY PRIZE
for the most distinguished masters essay in Political Science

Awarded to STEVEN J. JOHNSTON

THE WILLIAM D. MCELROY AWARD
for meritorious research conducted
by an undergraduate in the biological sciences

Awarded to KINGMAN HO
ALISON LIN

ROBERT B. POND, SR. ACHIEVEMENT AWARD
to the graduating senior in Materials Science who best exemplifies
Professor Pond's commitment to scholarly and humane values

Awarded to JULIA HEANEY

ROULSTON PRIZE
for outstanding achievement by an undergraduate in German

Awarded to JOYCE NYBERG

SARAH & ADOLPH ROSEMAN ACHIEVEMENT AWARD
in recognition of outstanding accomplishment in Chemistry

Awarded to JOSEPH EATON
BRENDA WILSON

ISADORE SOKOLOW MEMORIAL PRIZE
for a graduate student of outstanding promise in Latin American History

Awarded to PABLO JULIAN DAVIS

JULIAN C. STANLEY AWARD
for the undergraduate psychology major who most closely approximates
Dr. Stanley's personal and professional standard of excellence
Awarded to JEFFREY RACHLINSKI

JULIUS TURNER PRIZE
for the most distinguished senior thesis in Political Science
Awarded to LISA A. LINDSAY
STEVEN T. SANDELIN

JOHN BOSWELL WHITEHEAD AWARD
for outstanding achievements by an undergraduate in Electrical
and Computer Engineering
Awarded to DAVID JOHN SCHEERER

LOY WILKINSON AWARD
for a demonstrated record of academic excellence, leadership,
and service in Chemical Engineering
Awarded to LORA M. COSTELLO

IN THE PEABODY CONSERVATORY OF MUSIC

THE HAROLD RANDOLPH PRIZE
Awarded to PHILIP JOHN HOSFORD

THE THREE ARTS CLUB AWARD
Awarded to CALEB TSAI

THE EDITH AND IRENE ASHWORTH PRIZE
Awarded to NANCY ANNE STAGNITTA

THE GUSTAV KLEMM AWARD
Awarded to JEFFREY KENT BLAKLEY

THE CHRISTOPHER PERCY AWARD
Awarded to H. ERIC HANSEN

THE BALTIMORE MUSIC CLUB AWARD IN ACCOMPANYING
Awarded to MICHUNG PARK

THE SARAH STULMAN ZIERLER PRIZE IN ACCOMPANYING
Awarded to MARGUERITE MICHELLE KRULL

THE PAULINE FAVIN MEMORIAL AWARD IN PIANO
Awarded to JUNCHYE RA

THE LILLIAN GUTMAN MEMORIAL PRIZE
Awarded to AKIKO NAKANISHI

THE FRANCES M. WENTZ TURNER MEMORIAL PRIZE IN PIANO
Awarded to COREY MICHAEL McVICAR

THE ROSE MARIE MILHOLLAND AWARD IN PIANO
Awarded to HYUN-SOOK PARK

THE OTTO ORTMAN AWARD IN COMPOSITION
Awarded to JOHN MORGAN BOWEN, JR.

THE JOSEF KASPER AWARD IN VIOLIN
Awarded to JAE KYUNG KIM

THE IRVING LOWENS MEMORIAL PRIZE IN CRITICISM
Awarded to ERIN ELIZABETH OBERDORFER
NATALIE LYNNE SHELPUK

THE MARTHA AND WILLIAM BILL CLARINET PRIZE
Awarded to DAVID DROSINOS

THE SIDNEY FRIEDBERG PRIZE IN CHAMBER MUSIC
Awarded to KYOKO FUJIWARA

THE BRITTON JOHNSON MEMORIAL PRIZE IN FLUTE

Awarded to KIMBERLY ANN TROLIER

THE GEORGE CASTELLE MEMORIAL AWARD IN VOICE

Awarded to SHARI ALLISON ROSEN

THE CHARLES M. EATON AWARD IN VOICE

Awarded to JAMES STUART BAILEY

THE LILLIAN HOWARD MANN MEMORIAL AWARD IN VOICE

Awarded to JAMES MICHAEL KOON

THE MARIAN B. AND SAMUEL BERNSTEIN MEMORIAL PRIZE IN OPERA

Awarded to DEANNE MEEK

IN THE SCHOOL OF NURSING

ROBERT G. MERRICK AWARD

to a student demonstrating outstanding leadership in the field of nursing

Awarded to MARIA LOUISE LUZARRAGA

RESEARCH AWARD

to a student demonstrating intellectual curiosity and creativity
in nursing research

Awarded to DANA DEAN

MARY AND GRAINGER MARBURG AWARD

in recognition of a student who consistently exhibits
outstanding clinical nursing expertise

Awarded to SANDRA NOHEMY ANAYA AMAYA

ACADEMIC EXCELLENCE AWARD

to a student whose academic performance has been
judged to be outstanding

Awarded to JANNA LYNN COLLINS

ELEANOR WADE CUSTER AWARD

to a student who most successfully combines commitment
to the nursing profession with sensitivity to one's fellow man

Awarded to DONNA CRAVEN DOWNING-CORDDRY

THE CHURCH HOME AND HOSPITAL NURSING ALUMNAE AWARD

recognizes a student who best exemplifies a humanistic approach
to nursing while integrating the art, science and the spirit of nursing

Awarded to MICAELA M. AIGNER

THE JOHNS HOPKINS NURSES' ALUMNI ASSOCIATION AWARD

recognizes a student whose leadership ability is combined with
clinical competence and an inquiring mind

Awarded to ANNE MARIE BEYER

SINAI NURSES' ALUMNAE ASSOCIATION OF SINAI HOSPITAL, INC.

recognizes a student who exhibits enthusiasm, compassion and a
positive approach to problem solving in nursing

Awarded to LINDA ANN BRAGOLE

IN THE SCHOOL OF CONTINUING STUDIES

DELTA SIGMA PI SCHOLARSHIP KEY

in the Division of Administration and Business for the
highest average in the undergraduate programs

Awarded to SUSAN BARTHOL FELKOSKI

EDWARD J. STEGMAN, C.P.A., MEMORIAL AWARD

in the Division of Administration and Business for
excellence in the study of Administrative Science at the graduate level

Awarded to VERLIN L. ABBOTT
DENISE A. CREIGHTON
CHRISTY L. DRISCOLL
RICHARD J. FLANIGAN, JR.
JANET P. HADDAD

NANCY J. LE PAGE
BONNIE L. ROBESON
SUSAN T. SADOWSKI
WILLIAM J. WALKER
ELIZABETH A. WILSON

WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD
in the Division of Administration and Business for outstanding scholarship
in the undergraduate programs and exceptional promise of future success

Awarded to THERESA ADRIENNE OTTERY

IN THE SCHOOL OF MEDICINE

THE HENRY STRONG DENISON SCHOLARSHIP

The Henry Strong Denison Fund for Medical Research in memory of Henry Strong Denison, M.D., 1908, is used for the specific purpose of aiding in the training for research of young people deemed by the Medical Faculty to be especially gifted for a career in medical investigation.

Awarded to MATHEW WILMEN MACCUMBER—1987-88

SANDOZ AWARD

This award provided by the Sandoz Pharmaceutical Company recognizes excellence in the field of Pharmacology.

Awarded to KENNETH WAYNE KINZLER—1987-88

LAUREL AND CLARENCE H. KOENNECKE AWARD

The Laurel and Clarence H. Koennecke Award was established to recognize those students showing most promise in the surgical field of Gynecology.

Awarded to YOLANGEL HERNANDEZ SUAREZ—1987-88

THE FRANKLIN PAINE MALL SCHOLARSHIP IN ANATOMY

The Franklin Paine Mall Prize in Anatomy established by Dr. Miley B. Weston, an alumnus of the School of Medicine, is given in the name of Franklin Paine Mall, the first professor of Anatomy in the School of Medicine.

Awarded to GREGORY ALAN SLIMAN—1984-85

WILLIAM HERBERT THOMPSON III—1984-85

THE PAUL EHRLICH AWARDS

The Paul Ehrlich Awards were established to honor Dr. Paul Ehrlich with funding originally granted by Dr. Emmanuel Libman. The awards, which recognize student research contributions are presented each year at Young Investigators' Day.

THE PAUL EHRLICH IN CLINICAL INVESTIGATION

Awarded to ROBERT JOHN D'AMATO—1987-88

PETER STEVEN KLEIN—1986-87

THE PAUL EHRLICH GRADUATE STUDENT AWARD

Awarded to JOHN GERARD TOWER—1986-87

THE PAUL EHRLICH AWARD FOR BASIC SCIENCE INVESTIGATION

Awarded to GORDON DUANE HOLT—1986-87

PHILIP JACOB ROSENFELD—1985-86

JAMES LOUIS SHERLEY—1987-88

THE PAUL EHRLICH MEDICAL STUDENT AWARD

Awarded to MICHAEL EDWARD TORCHIA—1987-88

MICHAEL A. SHANOFF RESEARCH AWARD

The award is made annually to a student for significant research contribution in the medical sciences. The award is made possible by a bequest from the family and friends of the late Dr. Michael A. Shanoff, who earned his undergraduate degree and M.D. and Ph.D. degrees from The Johns Hopkins University.

Awarded to JOACHIM JOHN LI—1986-87

THE DAVID ISRAEL MACHT MEMORIAL PRIZE

The David Israel Macht Memorial Prize was established in 1983 by the family of Dr. Macht to commemorate the centenary of his birth. Dr. Macht was a member of the faculty of the Departments of Pharmacology and Medicine in the early part of this century and was a pioneer investigator in the field of opiate alkaloids. The prize is intended to recognize excellence in investigation by a student in the School of Medicine.

Awarded to KENNETH WAYNE KINZLER—1987-88

THE W. BARRY WOOD STUDENT RESEARCH AWARD

The W. Barry Wood Student Research Award recognizes present commitment and future promise in research.

Awarded to AMY ROSE BROOKS—1985-86

HOWARD SCOTT KAUFMAN—1987-88

THE ALAN P. TRIMAKAS AWARD IN CARDIOVASCULAR RESEARCH

The Alan P. Trimakas Award in Cardiovascular Research is given to a medical student who has demonstrated unusual promise in the area of cardiovascular research.

Awarded to BRUCE H. CHAMBERLAIN—1987-88

HAROLD LAMPORT BIOMEDICAL RESEARCH PRIZE

The memory of Dr. Harold Lamport, a distinguished investigator, is honored by this prize established by the Lamport Foundation. The prize recognizes research contributions.

Awarded to MICHAEL BRIAN SENSION—1987-88

CIBA AWARD FOR OUTSTANDING COMMUNITY SERVICE

The CIBA Pharmaceutical Company makes a yearly award to that student in the second year of the School of Medicine who is judged by classmates to have made the greatest contribution to our community.

Awarded to GEORGE EARL PEOPLES, JR.—1985-86

IN THE SCHOOL OF HYGIENE AND PUBLIC HEALTH

ALUMNI ASSOCIATION SCHOLARSHIP AWARD

to students of outstanding promise

Awarded in 1986 to OONA MAEVE RENÉE CAMPBELL

Awarded in 1986 to DAVID VLAHOV

FREDERIK B. BANG AWARD

for an outstanding research idea in the area of pathobiology

Awarded in 1986 to PETER J. WARD

RUTH B. FREEMAN AWARD

to graduating doctoral nurses to recognize academic performance and an outstanding thesis

*Awarded to ARLENE MANNS BUTZ
DAVID VLAHOV*

PAUL A. HARPER AWARD

to degree candidates in the Department of Population Dynamics to recognize both past achievement and promise of future contributions to the field of population

Awarded in 1987 to OONA MAEVE RENÉE CAMPBELL

Awarded in 1986 to GAIL ADAIR CORNWALL

JOHN C. HUME AWARD

to a doctoral graduate for significance of research in the Department of Health Policy and Management

Awarded to JANE DILLARD SCOTT

JOHN C. HUME AWARD

to a Master of Public Health graduate for academic excellence and professional promise

Awarded to WALTER HAI-TZE TSOU

CORNELIUS W. KRAUSE AWARD

for the outstanding dissertation in Environmental Health

Awarded to MICHAEL BRACKEN MACDONALD

MARY B. MEYER MEMORIAL AWARD

to students in the Department of Epidemiology for academic excellence

Awarded in 1986 to BERYL ANN KOBLIN

Awarded in 1984 to GUNTA IRIS OBRAMS

IN THE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

WILLIAM C. FOSTER AWARD

to a second year student for sound scholarship and a record of leadership and distinguished service to SAIS exemplary of the high qualities of integrity, loyalty and ability admired in Mr. Foster

*Awarded to ELLIOT UCHITELLE
DAVID B. YOUTZ*

CHRISTIAN A. HERTER FELLOWSHIP

to the member of the second year class with the most outstanding record during the first year

Awarded to CINDY K. MATHEISON

HONOR SOCIETIES

PHI BETA KAPPA

From the Junior Class in the School of Arts and Sciences

ALEXIS CARRIS
DAYNA DEVON FERGUSON
PAUL JOSEPH FOX

DEBRA LOUISE HAMEL
DEBORAH JILL KRAUSS
VIRGINIA MICHELE MARTH

MICHAEL CARL RUNGE
BRENDA ARLENE SCHULMAN
BARRY JAY UPHOFF

From the Senior Class in the School of Arts and Sciences

Elected in 1986-87

SHIREEN RUSBY HOWARD
IAN ELLIOTT KROP

MARCEL JOSEPH LACHENMANN
DAWN JEANETTE LEDBETTER
LINDA LIN LIU

HEMAI BHARATI PARTHSARATHY
MATTHEW ADRIAN SPEAR

Elected in 1987-88

GABRIEL ADLER
SPIRO BASIL ANTONIADES
DOUGLAS CLYDE BARNHART
DAVID SCOTT BATTLEMAN
STEVEN MARC BLUMENTHAL
HARRIET ANASTASIA BOETZELEN
MICHAEL SEVERINO BOSCO
LENA CAROL EMAD BRAATZ
JAMES WILLIAM BRYSON
NGHI HUU BUI
PAUL CEFALU
JIMMY CHU-MING CHANG
ANNETTE HELEN CHEN

JOHN STEPHEN COLE
LEORA RUTH FRIEDBERG
BRIAN SCOTT FUNAKI
ANN SUSAN GINSBERG
GERALD BENTLEY GUEST
LISA MARY GUTTROFF
KATHERINE ANN HARRIS
JULIA ANN HODGE
JOHN BLAIR HUTTON III
NAKUL JERATH
JORDON PAUL KARP
MADHAV KAVURU
LONDON DEL KIRKENDALL

ERIK GRAY LEDBETTER
FRANCES EUN HYUNG LEE
JOHN JUHEON LEE
ALISON LIN
CHRISTOPHER DAVID LUEBBE
JESSICA ROSE MANKE
HELEN ELIZABETH MERCHANT
EILEEN ELIZABETH METZGER
GILLIAN PATRICIA PRINTON
JEFFREY JOHN RACHLINSKI
REBEKAH MARIE REMINGTON
MIRIAM GRACE REUMANN
RICHARD STEWART ROSS

MICHAEL ANTHONY SANDERSON
ALICE ISOME SATO
MARLENE ROBIN SCHWAEGER
JASON THEODORE SHAPLEN
JAMES IGNATIUS SPARK
DANIEL WALTER STONE
JANET CHI MEI SUN
WEI PING WAYNE TAM
GLEN HOWARD WEISS
BROOK VAN HAMM WIERS
CHI-CHI WU
LOUISA PU WU
MATTHEW CLIFFORD WYANT

From the Doctor of Philosophy Candidates in the School of Arts and Sciences

GANG XIAO

From the School of Medicine

JARED RANDALL CURTIS

GEORGE EARL PEOPLES, JR.

From the School of Hygiene and Public Health

YUE-LIANG LEON GUO

CHOU-CHI HUANG LI

From the School of Advanced International Studies

DAVID J. CHARLES

SARAH LYNN VANDAMME

TAU BETA PI

NATIONAL ENGINEERING HONOR SOCIETY

From the Junior Class in the G.W.C. Whiting School of Engineering

MOUNIR BASHOUR
KWABENA A. BOAHEN
LOUIS M. BORN
JEFFREY A. CADEDDU
AJAY CHAWLA

BERNARD L. EDWARDS
UJJAL K. GHOSH TAGORE
JEFFREY W. HOLMES
DAVID J. ISRAEL
KIMBERLY A. JUVAN

NINA S. KADAN
HUSSMAN M. KHOURY
MATTHEW J. LESHIO
KWONG C. LI
HEIDI S. PERLOFF

DAVID J. SCHEERER
JOHN P. SOISSON
HEIDI L. WALD
SUSAN L. WELLER
KATHERINE C. WU
PAUL C. ZEI

From the Senior Class in the G.W.C. Whiting School of Engineering

Elected in 1986-87

JEFFREY ANTHONY CAEODU
BRANDON WILLIE CHAN
ELFONSO NICHOLAS IASIELLO
STEPHEN MITCHELL JAMESON
NINA KADEN

WAI MAN LAM
EDWARD DAI-CHIEE POON
EVAN RALPH REITER
MARK RICHARDS
DAVID JOHN SCHIEERER
JOHN SCOTT STECKENRIDER

CHRISTOPHER CHARLES STREINZ
JEFFREY TABER
ANNE MADELINE TROOP
KATHERINE C. WU
MICHAEL YANG

Elected in 1987-88

VICTORIA CHUNG-PING CHEN
GOLAM SAYEED CHOUDHURY
JAMES CHARLES CHRONES
MARVIN THOMAS ERDLY

LAWRENCE JACK FOGELSON
ANN ELIZABETH FRIESE
JOSÉ ENRIQUE GOLDSTEIN
THOMAS WILLIAM McNAMARA

JONATHAN BUCHANAN PELLETT
JOHN-SCOTT SMOKELIN
BENJAMIN CHEN-YU TAM

From the Part-Time Engineering Program

DAVID LANCE MARTIN

ALPHA OMEGA ALPHA

HONOR MEDICAL SOCIETY

JENNIFER KAY AYLESTOCK
AMY ROSE BROOKS
THOMAS BYRNE CONNOR, JR.
JARED RANDALL CURTIS
MARC ALAN GILLINOV
JOSEPH ANTHONY GLENN LAHORRA

JENNIFER ANN LUTLEY
DAVID ROBINSON LYNCH
BRIAN DAVID MULLIKEN
JEFFREY SCOTT NYE
GEORGE EARL PEOPLES, JR.
JOHN TRAVIS PRITCHETT
CHRISTOPHER MARK PUTNAM

PHILIP JACOB ROSENFELD
EVAN SPENCER SIEGELMAN
GREGORY ALAN SLIMAN
ALLEN JOHN TAYLOR
WILLIAM HERBERT THOMPSON III
MICHAEL EDWARD TORCHIA

DELTA OMEGA

NATIONAL PUBLIC HEALTH HONOR SOCIETY

LAURA CATHERINE ALTOBELLI
MARY ABBOTT BOLTE
MARY ELIZABETH BRADDOCK
OONA MAEVE RENEE CAMPBELL
CHRISTOPHER H. COULTER
LALIT DANDONA
ROBERT FRANCIS DE FRAITES
EDWARD FREDERICK ELLERBECK
LESLIE GARRISON
KENNETH ALAN GERSHMAN
RADOLPH LEE GORDON

YUE-LIANG LEONIGUO
KATHY JOAN HELZLSOUER
CHOU-CHI HUANG LI
KELLY JAMES KELLEHER
PHILIPPE G. KESTELYN
RICHARD J. KLEIN
DALE ELLEN LUPU
REBECCA F. MORELAND
EMILIE HUMBERT MULES
WILLIAM E. NARROW
SUSAN DRUCKEMILLER NORTH

ROBERT ALLISON PENDERGRAST, JR.
VALERIE JEANNE SCHWOEBEL
ANNA MARIA STEVENS-KESTELYN
SUSAN LOUISE THOMPSON-GORMAN
ALISON MILLER TRINKOFF
WALTER HAI-TZE TSOU
MARIE ANNETTE VAUGHAN
DAVID VLAHOV
LISA ANN WERTHAMER-LARSSON
HUI-LIN WU

PI KAPPA LAMBDA

NATIONAL MUSIC HONOR SOCIETY

KRISTIE RENEE BORN
ANDREW BRYAN COOPERSTOCK
KYOKO FUJIWARA
H. ERIC HANSEN
PHILIP JOHN HARFORD

MARGUERITE MICHELLE KRULL
AKIKO NAKANISHI
MICHUNG PARK
NANCY ANNE STAGNITTA
JILL ELLEN THOMASSON

KIMBERLY ANN TROLIER
LYNNE ANN WALKER
JOEL WIZANSKY
JEAN MARIE WU

HONORS

Baccalaureate Candidates in the School of Arts and Sciences

Graduating with General Honors

GABRIEL ADLER	LINDA DANIELLE FELDMANN	FRANCES EUN HYUNG LEE	REBEKAH MARIE REMINGTON
SPIRO BASIL ANTONIADES	BRIAN FERRALL	JOHN JUHEON LEE	MIRIAM GRACE REUMANN
CHRISTOPHER ETHAN ARZT	STUART ROSS FRAMM	YONG B. LEE	MAX LANGAN ROSENKRANTZ
DOUGLAS CLYDE BARNHART	LEORA RUTH FRIEDBERG	ADAM BRETT LERNER	RICHARD STEWART ROSS
LISA ELLEN BARTRA	MIRIAM ANNE FRIEDMAN	ALISON LIN	STEVAN TROY SANDELIN
MARK BENJAMIN BASCH	BRIAN SCOTT FUNAKI	LISA ANN LINDSAY	MICHAEL ANTHONY SANDERSON
DAVID SCOTT BATTLEMAN	JOHN ANTHONY GALOTTO	CLAUDIA GRANT LINK	ALICE ISOME SATO
ANNE MICHELE BAUGHMAN	JOSEPH MICHAEL GERGYES	SCOTT DAVID LIPPE	JULIA CAROL SCHELL
JANICE SANDRA BERMAN	MARY ELIZABETH GINDER	LINDA LIN LIU	MARLENE ROBIN SCHWAEGER
STEVEN MARC BLUMENTHAL	ANN SUSAN GINSBERG	LIA SUZANNE LOGIO	CLARK POMEROY SEARLE III
HARRIET ANASTASIA BOETZELEN	HECTOR GONZALEZ	AARON DAVID LONG	JASON THEODORE SHAPLEN
ROBERT ANTHONY BONZANI	GERALD BENTLEY GUEST II	CHRISTOPHER DAVID LUEBBE	ANEIL MADHUKAR SHIRKE
MICHAEL SEVERINO BOSCO	LISA MARY GUTTROFF	JANICE MARION LYONS	PAULA A. SNEDEKER
JAMES ANTHONY BRAATZ III	KATHERINE ANN HARRIS	JESSICA ROSE MANKE	JAMES IGNATIUS SPARK
LENA EMAD BRAATZ	JULIA ANN HODGE	AMAL MATTU	MATTHEW ADRIAN SPEAR
IAN CHRISTOPHER BROOKS	SHIREEN RUSBY HOWARD	HELEN ELIZABETH MERCHANT	DANIEL WALTER STONE
JAMES WILLIAM BRYSON	CHARLENE HSIAO-LING HU	EILEEN ELIZABETH METZGER	JANET CHIJ MEI SUN
NGHI HUU BUI	JOHN BLAIR HUTTON III	JARED ZALMAN MINTZ	WAYNE TAM
DIANE ROCHELLE CANTOR	NAKUL JERATH	BRIAN CHRISTOPHER MURPHY	ANGELA WAILAN TANG
PAUL A. CEFALU	MARY KATHERINE JOHNS	ELIZABETH REBECCA NESWALD	MARK AUSTIN THISTEL
JIMMY CHU-MING CHANG	ERIC ALEXANDER KANE	JOYCE H. NYBERG	TIMOTHY ROBERT TUEL
ANNETTE HELEN CHEN	JORDAN PAUL KARP	VASSILIOS THEODORE OPSIMOS	PRADYUMNA ESWARA TUMMALA
ANDREW KAICHIE CHENG	MADHAV KAVURU	ROBERT KURUS PARANGI	DAVID JONATHAN WAKSMAN
JEANNE MARIE CLARK	LONDON DEL KIRKENDALL	ARNOLD R. PARENTEAU	GLEN HOWARD WEISS
JOHN STEPHEN COLE	IAN ELLIOTT KROP	SYLVIA ESTHER PARET-ROMAN	STEPHANIE BRYN WEISSMAN
CHRISTINA CODY CROMWELL	CHAIYAPORN KULSAKIDINUN	HEMAI BHARATI PARTHASARATHY	BROOK VAN HAMM WIERS
DEANNA LOUISE DANCE	MARCEL JOSEPH LACHENMANN, JR.	ANNE MARGARET PETERNEL	MATTHEW CLIFFORD WYANT
MATTHEW COLIN DIFAZIO	KATHY ANN LADUN	DANA CECEILIA PETERS	JEFFREY SCOTT YAGER
PHILIP ALAN DINAUER	DAWN JEANETTE LEDBETTER	GILLIAN PATRICIA PRINTON	MARYAM YAMANI
PERI BETH ERLANGER	ERIK GRAY LEDBETTER	JEFFREY JOHN RACHLINSKI	ELLEN HOLLY ZIMMERMAN
ANDREW LAWRENCE FEIT	ANDY MING LEE		

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering

Graduating with General Honors

JONNA RACHEL BERMAN	VINCENT JOHN FAROZIC	VIVEK TIM MALHOTRA	GARY LAURENCE SIEGEL
MARY ELLEN BURCHAM	DAVID GERARD FISCHER	THOMAS WILLIAM MCNAMARA	ANNE KATHERINE SKAJA
BRANDON WILLIE CHAN	ANN ELIZABETH FRIESE	LAURA MOON NEWCOMER	JOHN-SCOTT SMOKELIN
VICTORIA CHUNG-PING CHEN	DAVID JAMES GENZEL	JONATHAN BUCHANAN PELLETT	CHRISTOPHER CHARLES STREINZ
GOLAM SAYEED CHOUDHURY	JOSE ENRIQUE GOLDSTEIN	HUONG THANH PHAM	JEFFREY EVERETT TABER
JAMES CHARLES CHRONES	JULIA HEANEY	EDWARD DAI-CHEE POON	BENJAMIN CHEN-YU TAM
LISA KRISTEN DAVIS	GARY ANDREW HENRY	RICHARD JOSEPH PRENGAMAN	AUDREY THERESE WINGET
LAWRENCE N. EISENMAN	FRANK P. HSU	EVAN RALPH REITER	MICHAEL BRIAN YANG
MARVIN THOMAS ERDLY	STEPHEN MITCHELL JAMESON	MARK RICHARDS	

Baccalaureate Candidates in the School of Arts and Sciences

Graduating with Departmental Honors

ROBERT GLENN BARNETT
MARK BENJAMIN BASCH
DAVID SCOTT BATTLEMAN
JANICE SANDARA BERMAN
HARRIET ANASTASIA BOETZELEN
MICHAEL SEVERINO BOSCO
LENA EMAD BRAATZ
MARISSA PAULINE BROWN
JAMES WILLIAM BRYSON
DIANE ROCHELLE CANTOR
PAUL A. CEFALU
DAVID J. CHARLES
ANNETTE HELEN CHEN
JEANE MARIE CLARK
DE ANNA LOUISE DANCE
RAMON ROBERT J. DeCASTRO
STEPHANIE GERARD DEETS
PERI BETH ERLANGER
LINDA DANIELLE FELDMANN
BRIAN FERRALL
LEORA RUTH FRIEDBERG
BRIAN SCOTT FUNAKI

JOHN ANTHONY GALOTTO
MARY ELIZABETH GINDER
ANN SUSAN GINSBERG
GERARD BENTLEY GUEST II
BETH GAIL GUINZBURG
JOHN BLAIR HUTTON III
MARY KATHERINE JOHNS
DEEPTI UPEN KHAROD
RILA KIM
IAN ELLIOTT KROP
THOMAS EDWARD LEATHRUM
ERIK GRAY LEDBETTER
KEVIN GUY LEE
ADAM BRETT LERNER
LISA ANN LINDSAY
CLAUDIA GRANT LINK
AARON DAVID LONG
DEBORAH ANNE-MARIE LUE
JANICE MARION LYONS
JESSICA ROSE MANKE
HELEN ELIZABETH METZGER
CAROLYN ANN MOOK
MICHELE WILLIAMS

ELIZABETH REBECCA NESWALD
JOYCE H. NYBERG
HEMAI BHARATI PARTHASARATHY
MARY FRANCES PERRINBOOM
ANNE MARGARET PETERNEL
JEFFREY JOHN RACHLINSKI
SANJAY RAMESH
REBEKAH MARIE REMINGTON
KAREN LYNNE RICHARDSON
RICHARD STEWART ROSS
STEVAN TROY SANDELIN
JASON THEODORE SHAPLE
DAVID D. SHIN
ELLEN STEPHANIE SIMON
PAULA A. SNEDEKER
JUSTINE PATRICIA SORRENTINO
DANIEL WALTER STONE
WAYNE TAM
ANGELA WILAN TANG
SANDRINE ARIANE ESTELLE TILLER
SARAH LYNN VAN DAMME
ABBY ROBIN WADLER

Graduates from the Biology Honors Program

KINGMAN KIM-WEI HO
ALISON LIN

Graduates from the Humanistic Studies Honors Program

CHRISTOPHER DAVID LUEBBE
MIRIAM GRACE REUMANN

Baccalaureate Candidates in the G.W.C. Whiting School of Engineering

Graduating with Departmental Honors

JONNA RACHEL BERMAN
AMY BEIBER
MARY ELLEN BURCHAN
BRANDON WILLIE CHAN
GOLAM SAYEED CHOUDHURY
GREGORY SCOTT CHIRIKJIAN
JAMES CHARLES COSTELLO
LISA KRISTEN DAVIS
LAWRENCE N. EISENMAN
MARVIN THOMAS ERDLY
VINCENT JOHN FAROZIC
DAVID GERARD FISCHER

LAWRENCE JACK FOGELSON
ANN FRIESE
JOSE ENRIQUE GOLDSTEIN
GARY ANDREW HENRY
FRANK HSU
TERRY T. HSU
STEPHEN JAMESON
THOMAS McNAMARA
ANTARA MALLAMPALLI
THOMAS SAMUEL MILLER
JAY NARASAI PATIL
HUONG THANH PHAM

JONATHAN PELLETT
EDWARD DAI-CHEE POON
RICHARD PRENGAMAN
EVAN RALPH REITER
MARK RICHARDS
GARY LAWRENCE SIEGEL
ANNE KATHERINE SKAJA
JOHN SMOELIN
CHRISTOPHER CHARLES STREINZ
JEFFREY TABER
BENJAMIN CHIEN-YU TAM
MICHAEL BRIAN YANG

Baccalaureate Candidates in the School of Continuing Studies

Graduating with Honors

LAURA NADINE BERRY
ROBYN EGNATIUS

SUSAN FELKOSKI
KIRSTIAAN LEVINE
THERESA OTTERY

JANET STRICKER
SUSAN KLEIN WRIGHT

CANDIDATES FOR DEGREES

as of May 11, 1988

A number of the students included in the lists which follow completed their degree requirements earlier in the academic year and could not be present today to receive their degree in person.

BACHELORS OF ARTS

in The School of Arts and Sciences

Sandra Marie Aamodt, of Rockville, Md.
Gabriel Adler, of Columbia, Md.
Annalisa Olivia Affleck, of Forest Hill, Md.
Anthony Byron Agrios, of Amherst, Mass.
Grace Rosemary Andersen, of Peekskill, N.Y.
Christopher Scott Anderson, of Cockeysville, Md.
Mark Allan Anderson, of Bellevue, Wash.
Steven Angerthal, of Valley Stream, N.Y.
Spiro Basil Antoniadis, of Silver Spring, Md.
Ronald Craig Appleby, Jr., of Monroe Township, N.J.
Nancy Armstrong, of Baltimore, Md.
Christopher Ethan Arzt, of Valley Cottage, N.Y.
Frederick George Assaf, of Scranton, Pa.
Herman Palileo Ayayo, of Emerson, N.J.
Salman Azhar, of Karachi, Pakistan.
Leonard Benjamin Bacharier, of Massapequa, N.Y.
Richard S. Baick, of Irvine, Calif.
Myron Paul Barlow, of Grosse Pointe, Mich.
Robert Glenn Barnett, of Newton, Mass.
Douglas Clyde Barnhart, of McMurray, Pa.
Christopher Gerard Barrett, of Scranton, Pa.
Lisa Ellen Bartra, of Mattituck, N.Y.
Mark Benjamin Basch, of New York, N.Y.
David Scott Battleman, of Plainview, N.Y.
Anne Michele Baughman, of Cincinnati, Ohio
Eric Christopher Beam, of Morris Township, N.J.
Lyndon Martin Bemarry, of Fanwood, N.J.
Luis A. Bendezu, II, of Bristol, Conn.
Lauri Ellen Benton, of Tenafly, N.J.
William Dale Bell, IV, of Chevy Chase, Md.
Janice Sandra Berman, of Clarksburg, W.Va.
Jean Marie Bichell, of Baltimore, Md.
Jeffrey Mitchell Binder, of Armonk, N.Y.
Nicholas Armand Biondi, of Wilton, Conn.
Amitava Biswas, of New York, N.Y.
Crawford Blagden, of Milton, Mass.
Debra Kay Blauman, of Suffern, N.Y.
Steven Marc Blumenthal, of Baltimore, Md.
Harriet Anastasia Boetzelen, of York, Pa.
Robert Anthony Bonzani, of Chicago, Ill.
Michael Severino Bosco, of Ft. Washington, Md.
James Anthony Braatz, III, of Beltsville, Md.

Lena Emad Braatz, of College Park, Md.
Philip Sean Bramble, of Cambridge, Md.
Harsimran Singh Brara, of Newport Beach, Calif.
Ian Christopher Brooks, of Salt Lake City, Utah
Damien Benedict Brower, of Carlsbad, Calif.
Julie Montgomery Brown, of Baltimore, Md.
Marissa Pauline Brown, of San Diego, Calif.
James William Bryson, of Springfield, Pa.
Rebecca Ann Buder, of Port Washington, N.Y.
Nghi Huu Bui, of Pittsburgh, Pa.
Jess Alexander Bunshaft, of East Meadow, N.Y.
Shane Irving Burn, of Scarsdale, N.Y.
Maryanne Frances Byrne, of Greencastle, Pa.
Sinjaporn Campbell, of Chapel Hill, N.C.
Stephen Michael Campbell, of Westport, Conn.
Diane Rochelle Cantor, of Oak Ridge, Tenn.
Kathleen Ann Carney, of West Springfield, Mass.
Vincent Michael Casieri, of Bronx, N.Y.
Paul A. Cefalu, of West Hampstead, N.Y.
Jeanne Victoria Celestin, of Gaithersburg, Md.
Jimmy Chu-Ming Chang, of Cranbury, N.J.
David J. Charles, of Chicago, Ill.
Annette Helen Chen, of Phoenix, Md.
Clifford Chen, of Englewood Cliffs, N.J.
Enn Chen, of Munster, Ind.
Lucian Chen C. Chen, of Hollis, N.Y.
Andrew Kaiche Cheng, of Potomac, Md.
Anneke Sonyong Chung, of Houston, Texas
Won Chung, of New York, N.Y.
Stephen Joseph Cina, of Oviedo, Fla.
Jonathan Stuart Citow, of Northfield, Ill.
Erika Louise Clark, of Detroit, Mich.
Jeanne Marie Clark, of Mountain Lakes, N.J.
Risa Noelle Claytor, of Washington, D.C.
Stephen L. Cohen, of Rockville, Md.
John Stephen Cole, of Potomac, Md.
Michael Joseph Corrigan, of Bethesda, Md.
Nicholas Dominic Cortez, II, of Baltimore, Md.
Elizabeth P. Cowley, of Sparta, N.J.
John William Crawford, III, of Rockville, Md.
Wayne Samuel Creadick, of Upper Marlboro, Md.
Andrew Scott Cristoforo, of Burlington Township, N.J.

Christina Cody Cromwell, of Baltimore, Md.
 John Joseph Curran, III, of Baltimore, Md.
 Francis Peter Cyran, of Towaco, N.J.
 Kim Cherise D'Abreu, of Brooklyn, N.Y.
 Christopher James Dalton, of Oradell, N.J.
 DeAnna Louise Dance, of Annapolis, Md.
 Aaron Lee Davis, of Exeter, R.I.
 Elizabeth Walsh Davis, of Newport, R.I.
 Beverly J. Davison, of South Floral Park, N.Y.
 Hollis Dorsett Day, of Towson, Md.
 Ramón Roberto J. deCastro, of St. Louis, Mo.
 Ruth Margaret DeCoursey, of Philadelphia, Pa.
 Eileen de la Cruz, of North Caldwell, N.J.
 Stephen Gerard Deets, of Columbia, Md.
 Thomas DiBari, of Middletown, N.J.
 Matthew Colin Difazio, of Royal Oak, Mich.
 Philip Alan Dinauer, of San Diego, Calif.
 Michelle Martina Dion, of San Jose, Calif.
 Joseph Nicholas Diorio, Jr., of New Hyde Park, N.Y.
 Samantha Rachael Dodge, of New York, N.Y.
 Paul J. Donio, of Hammonton, N.J.
 Sarah Madison Donnem, of Shaker Heights, Ohio
 Damien Antione Douté, of St. Croix, V.I.
 Robert Francis Downing, Jr., of Boston, Mass.
 Mark William Drasnin, of Dallas, Pa.
 Walter Thomas Duffy, of Crestwood, N.Y.
 Raquel Christine Icasiano Dureza, of Baltimore, Md.
 Robert Louis Durocher, Jr., of Gambrills, Md.
 Edmund Alfred Egan, of Amherst, N.Y.
 Barry Lee Ehrlich, of Cherry Hill, N.J.
 Brad Neyle Erickson, of Balboa, Panama
 Peri Beth Erlanger, of New York, N.Y.
 Eric Herman Espenhorst, of Hopewell, N.J.
 Aino Sein Ettinger, of Princeton, N.J.
 Carolyn Ann Ewald, of Washington, D.C.
 Sean Michael Farquharson, of New York, N.Y.
 Marc David Feingold, of New Rochelle, N.Y.
 Andrew Lawrence Feit, of Nesconset, N.Y.
 Linda Danielle Feldmann, of Derwood, Md.
 Brian Ferrall, of Morristown, N.J.
 James Paul Fideler, of Framingham, Mass.
 Thomas Wood Finegan, of Garden City, N.Y.
 James Joseph Finnerty, III, of Lincroft, N.J.
 Sharon Beth Fischman, of Chicago, Ill.
 John W. Fitzgerald, of Northfield, Ill.
 Michael Wesley Fletcher, of Hillside, N.J.
 Loren J. Fox, of New York, N.Y.
 Stuart Ross Framm, of Baltimore, Md.
 Kirsten Marie Frazier, of Fayetteville, N.C.
 Adam Stuart Freidus, of Howard Beach, N.Y.
 Leora Ruth Friedberg, of Potomac, Md.
 Miriam Anne Friedman, of Baltimore, Md.
 Brian Scott Funaki, of Koloa, Hawaii
 Steven Scot Galen, of Beverly Hills, Calif.
 Stephen Jeffrey Gallo, of Wethersfield, Conn.
 John Anthony Galotto, of Potomac, Md.
 Andrea Lynn Garofalo, of Quincy, Mass.
 Joseph Michael Gergyes, of Douglaston, N.Y.
 Claude Simon Gerstenhaber, of New York, N.Y.
 Mary Elizabeth Ginder, of Richfield Springs, N.Y.
 Ann Susan Ginsberg, of Fort Lee, N.J.
 Edward Shell Giobbe, of Greenwich, Conn.
 David Benjamin Gitlitz, of Edison, N.J.
 Kimberly Ann Glasgow, of Edison, N.J.

Sharon Gleason, of Chevy Chase, Md.
 Brian Mingtao Go, of Ellicott City, Md.
 Staunton Link Tamor Golding, of Annandale, Va.
 Stewart Alan Gollmer, of Fair Oaks, Calif.
 Hector Gonzalez, of Bronx, N.Y.
 Mark Ira Goodman, of Annapolis, Md.
 Andrew Wallace Gray, of Darien, Conn.
 Eric Carl Greenberg, of Baltimore, Md.
 Judith Sue Greenberg, of New York, N.Y.
 Karin Beth Grennon, of Trumbull, Conn.
 Christopher Robert Grzeszczak, of Winterpark, Fla.
 Elizabeth Joan Guard, of Princeton, N.J.
 Leonard Lawrence Guarna, of Atlas, Pa.
 Gerald Bentley Guest, II, of Germantown, Md.
 Beth Gail Guinzburg, of Englewood, N.J.
 Lisa Mary Guttroff, of Wayne, N.J.
 In-Hei Hahn, of Baltimore, Md.
 Thomas William Hall, of Woodlands, Texas
 Bradley Philip Handler, of West Newton, Mass.
 David Ford Hannan, of Jacksonville, Fla.
 Jason Matthew Hanson, of Burnsville, Minn.
 Irene Christa Haralabatos, of Alpine, N.J.
 Lucinda Noël Harper, of Philadelphia, Pa.
 Elizabeth Ann Harrigan, of Chicago, Ill.
 Brian Grant Harrington, of Frederick, Md.
 James Warden Harris, of Montgomery Village, Md.
 Katherine Ann Harris, of Lebanon, Pa.
 Alex Jordan Harvey, of Raleigh, N.C.
 Kim Teresa Hasenstab, of Massapequa, N.Y.
 Heather Hay, of Baltimore, Md.
 Clifford Eugene Heaton, of Hopewell, N.J.
 Bruce Adam Henoeh, of Huntington, N.Y.
 Howard Jay Herman, of New Providence, N.J.
 Paul David Herman, of Ft. Lauderdale, Fla.
 Mark Kenneth Hermes, of Bend, Ore.
 Stephen Merrill Hewitt, of Forth Worth, Texas
 Kingman Kim-Wei Ho, of Montville, N.J.
 Julia Ann Hodge, of Augusta, Ga.
 Lorraine Janae Hopkins, of Portland, Ore.
 Dawn Lynn Horvath, of Bethlehem, Pa.
 Shireen Rusby Howard, of Baltimore, Md.
 Charlene Hsiao-ling Hu, of Tucson, Ariz.
 Aimie Hunt, of West River, Md.
 John Blair Hutton, III, of Miami, Fla.
 Michael Carl Implicito, of Hasbrouck Heights, N.J.
 Laura Michelle Irenze, of Huntington, N.Y.
 Dwain Kevin Irvin, of New York, N.Y.
 Gil Israel Israeli, of Floral Park, N.Y.
 Donald Gruelich Jackson, of Washington, D.C.
 Peter Douglass James, of Worthington, Ohio
 Patricia Eileen Jameson, of Garden City, Kan.
 Kathryn Teresa Jenkins, of Towson, Md.
 Nakul Jerath, of Springfield, Va.
 Mary Katherine Johns, of Silver Spring, Md.
 Grenville Henry Jones, of Randolph, N.J.
 Eli Michael Kabillio, of Rahway, N.J.
 Darren Lee Kadish, of Owings Mills, Md.
 John Jerald Kalas, of Manhasset, N.Y.
 Scott Adam Kamber, of Deerfield, Ill.
 Eric Alexander Kane, of Great Neck, N.Y.
 Peter Denison Kappas, of Rye, N.Y.
 Andrew David Karetsky, of Aspen, Colo.
 Jordan Paul Karp, of Floral Park, N.Y.

Joan M. Karr, of Bethesda, Md.
 Madhav Kavuru, of Waterloo, Iowa
 Jennifer Ann Kenoian, of Granby, Conn.
 Deepti Upen Kharod, of Andrews Air Force Base, Md.
 Razib Khaund, of East Windsor, N.J.
 Erik James Kilgore, of Roseburg, Ore.
 Eung Do Kim, of Cleveland, Ohio
 Hyung Tai Kim, of Edwardsville, Ill.
 John Kihun Kim, of Fairfax, Va.
 Rila Kim, of Huntingdon Valley, Pa.
 Sion Kim, of Flintridge, Calif.
 Ken Kimura, of Iowa City, Iowa
 Gregory Lincoln Kinney, of Dana Point, Calif.
 London Del Kirkendall, of New Rochelle, N.Y.
 Heather Anne Klink, of Baltimore, Md.
 Yvonne Kirsten Koelle, of Hamburg, N.Y.
 Danny Michael Kofos, of Woodside, N.Y.
 Matthew Peter Kohut, of Princeton, N.J.
 Li Sheng Kong, of Murphy, N.C.
 Keith Erik Kostelnik, of Springtown, Pa.
 Jeffrey Brian Kramer, of Worthington, Ohio
 Timothy Ward Kreider, of Churchville, Md.
 Adam Justin Kristol, of Scarsdale, N.Y.
 Ian Elliott Krop, of Gainesville, Fla.
 James Ku, of Lawrenceville, N.J.
 Chaiyaporn Kulsakdinun, of Crown Point, Ind.
 Vandana Kumra, of Bellerose, N.Y.
 Michael Andrew Kupritz, of Livingston, N.J.
 Bryan Evan Kurtz, of Hillside, N.J.
 Annette Emily Kussmaul, of Sayville, N.Y.
 Michael D. Kwan, of Gaithersburg, Md.
 Marcel Joseph Lachenmann, Jr., of Milwaukee, Wis.
 Kathy Ann Ladun, of Waterbury, Conn.
 Katherine Martha Lai, of Towson, Md.
 Jennifer Amelia Lamb, of Princeton, N.J.
 Andrew Neill Lang, of Chicago, Ill.
 Mark Alan Lapp, of Hauppauge, N.Y.
 Jane Elizabeth Latona, of Ft. Lauderdale, Fla.
 Eric Geoffrey Lawrence, of Laurel, Md.
 Dennis John Lawson, of Silver Spring, Md.
 Jeffrey Pettit Leal, of Fort Wayne, Ind.
 Thomas Edward Leathrum, of Clemson, S.C.
 Dawn Jeanette Ledbetter, of Post Falls, Idaho
 Erik Gray Ledbetter, of Cheverly, Md.
 Allison Elizabeth Lee, of Knoxville, Tenn.
 Andy Ming Lee, of Marlboro, N.J.
 Frances Eun Hyung Lee, of Honesdale, Pa.
 James Hyung-Woo Lee, of Effingham, Ill.
 John Juheon Lee, of Wilmette, Ill.
 June Hui-Kyong Lee, of Los Angeles, Calif.
 Kevin Guy Lee, of San Diego, Calif.
 Richard Gee-min Lee, of Silver Spring, Md.
 Yong B. Lee, of Rockville, Md.
 Adam Brett Lerner, of Fresh Meadows, N.Y.
 John Francis Leso, of Linthicum Heights, Md.
 Jonathan Adam Lesser, of Great Neck, N.Y.
 Mia M. Levine, of Norwalk, Conn.
 Ju Y. Lim, of Bronx, N.Y.
 Alison Lin, of Houston, Texas
 Lisa Ann Lindsay, of Baton Rouge, La.
 Claudia Grant Link, of New York, N.Y.
 Scott David Lippe, of Edison, N.J.
 Matthew Conan Lipton, of Dallas, Texas
 Linda Lin Liu, of Cupertino, Calif.

Lia Suzanne Logio, of Mountainside, N.J.
 Thomas Loftus, of Vineland, N.J.
 Aaron David Long, of State College, Pa.
 Mark Robert Looney, of Crofton, Md.
 Anne Margaret Lopez, of Aberdeen, Md.
 Javier Eugenio Lopez Gonzalez, of Rio Piedras,
 Puerto Rico
 Heather Marie Lowenkamp, of Richmond Heights, Ohio
 David Ian Lubetkin, of Springfield, N.J.
 Deborah Anne-Marie Luc, of Berkeley Heights, N.J.
 Christopher David Luebbe, of Chambersburg, Pa.
 Henry Hsin-Hung Luh, of Cerritos, Calif.
 David LeRoy Lumby, of Mt. Holly, N.J.
 Matthew James Lurin, of Manhattan, N.Y.
 Janice Marion Lyons, of New Rochelle, N.Y.
 Kathryn Jean Macari, of Farmingdale, N.Y.
 John Henry Magness, Jr., of Bel Air, Md.
 Keith Alexis Malas, of New York, N.Y.
 Timothy G. Malia, of Katonah, N.Y.
 Michael Diemont Maline, of Boston, Mass.
 Jessica Rose Manke, of Arlington, Va.
 Joseph Lawrence Manley, of Darnestown, Md.
 Timothy Arthur Marean, of Geneseo, N.Y.
 Alexandra Joyce Marmion, of Tenafly, N.J.
 Edward Baxter Marsh, III, of Ipswich, Mass.
 Amy Lynn Marshall, of Woods Hole, Mass.
 Vivynne Lorraine Martindale, of Jacksonville, Fla.
 Alfredo Martinez-Franco, of Alexandria, Va.
 M. Bijoy Mathew, of Cincinnati, Ohio
 Amal Mattu, of Rockville, Md.
 Matthew Michael McCambridge, of Allentown, Pa.
 Karen Alice McKenna, of Deer Park, N.Y.
 Gordon McLennan, of McLean, Va.
 Patricia Mary McManmon, of Wayland, Mass.
 Douglas Eugene McPherson, of Oklahoma City, Okla.
 Christopher Michael McSloy, of Farmingdale, N.Y.
 Deborah Ellen Mead, of Massapequa, N.Y.
 David Joseph Meiselman, of Boston, Mass.
 Helen Elizabeth Merchant, of Columbia, Md.
 Eileen Elizabeth Metzger, of North Kingstown, R.I.
 William George Merkel, of Baltimore, Md.
 Laurie Kirsten Miller, of Jakarta, Indonesia
 Jared Zalman Mintz, of Washington, D.C.
 John Peter Leopold Miscione, of Florham Park, N.J.
 Steven Edward Miskinis, of Lee, Mass.
 Charles John Mitchell, Jr., of Stamford, Conn.
 Elissa Bari Mittman, of Roslyn, N.Y.
 Edmund Hiroyuki Mizumoto, of Fresno, Calif.
 Nancy E. Moeder, of Bronx, N.Y.
 Carolyn Ann Mook, of Memphis, Tenn.
 Michael Norris Morrill, of Timonium, Md.
 Brian Christopher Murphy, of Holtsville, N.Y.
 Siobhan Anne Murray, of Gaithersburg, Md.
 Sang Ho Na, of Burtonsville, Md.
 Bruce Charles Nanney, of New Providence, N.J.
 Stephen Sanborn Nason, of Chevy Chase, Md.
 Timothy Creighton Naughton, of Baltimore, Md.
 Elizabeth Rebecca Neswald, of Westport, Conn.
 Stacey Lynn Newbern, of Chesapeake, Va.
 Jeffrey Theodore Newell, of Glenside, Pa.
 Danuta Krystyna Niedzwiedzki, of Plantation, Fla.
 Leslie Charlotte Nuñez, of Lakeland, Fla.
 Joyce H. Nyberg, of Horace, N.D.
 Katherine Bentley Offutt, of Mentor, Ohio

Vassilios Theodore Opsimos, of Athens, Greece
 Leanne Beth Order, of Owings Mills, Md.
 Frederick William Ortman, IV, of Dothan, Ala.
 Santiago Enrique Osorio, of Piscataway, N.J.
 Mark Ralph Alexander Palim, of Wassenaar,
 The Netherlands
 Sriram Iyer Parameswaran, of Fair Lawn, N.J.
 Robert Kurus Parangi, of Fort Lee, N.J.
 Arnold R. Parenteay, of Superior, Wis.
 Sylvia Esther Paret Roman, of San Juan, Puerto Rico
 Gregory Charles Park, of Cincinnati, Ohio
 Hemai Bharati Parthasarathy, of Fairbanks, Ark.
 Craig Jacob Passmore, of Rosedale, N.Y.
 John George Pattaras, of Port Washington, N.Y.
 Tara Louise Peattie, of Greenwich, Conn.
 Mary Frances Peerenboom, of Vienna, Va.
 Benjamin Martin Pessin, of Scarsdale, N.Y.
 Anne Margaret Peternel, of Battle Creek, Mich.
 Dana Ceceilia Peters, of Moorestown, N.J.
 Dawn Marie Phillips, of Brighton, Mich.
 Pietro Antonio Piccinini, of Baltimore, Md.
 David Ray Piehl, of Wautoma, Wis.
 Bret Eric Pollack, of Baltimore, Md.
 Laura Elizabeth Porter, of Lincoln Park, N.J.
 Mark Alfred Postler, of Huntington Woods, Mich.
 Gilliam Patricia Printon, of New York, N.Y.
 Scott Evan Proestel, of Bethesda, Md.
 Susan Faith Puhala, of Frederick, Md.
 Jose Añana Pung, of Old Westbury, N.Y.
 Jeffrey John Rachlinski, of Hamburg, N.Y.
 John M. Railey, of Baltimore, Md.
 Sanjay Ramesh, of Hopewell Junction, N.Y.
 Timothy Lawrence Randolph, of Baton Rouge, La.
 Srikar S. Reddy, of Huntsville, Ala.
 Jessica Wheeler Reed, of Reading, Pa.
 Timothy Garland Reed, of Herndon, Va.
 Amy Frances Reiter, of Wilmette, Ill.
 Rebekah Marie Remington, of Kingsville, Md.
 Miriam Grace Reumann, of Philadelphia, Pa.
 Timothy Lamar Rhyme, of Camden, N.J.
 Donny Andrew Rich, of Birmingham, Ala.
 Karen Lynne Richardson, of Fresno, Calif.
 Clifford Ralph Robinson, of Lawrenceville, N.J.
 Max Langan Rosenkrantz, of Takoma Park, Md.
 Richard Stewart Ross, of Syosset, N.Y.
 Susan Michelle Rothbauer, of Pittsburgh, Pa.
 Lisa Ann Roy, of Rumford, R.I.
 Charles Edward Russell, of Bethlehem, Pa.
 Michele Denise Ryan, of Sioux City, Iowa
 Caroline Jennifer Sachs, of Rye Brook, N.Y.
 Stevan Troy Sandelin, of Atlanta, Ga.
 Michael Anthony Sanderson, of Metairie, La.
 Howell Crawford Sasser, Jr., of Berwyn, Pa.
 Alice Isome Sato, of McLean, Va.
 April Ann Savoye, of Harrington Park, N.J.
 Julia Carol Schell, of Berwyn Heights, Md.
 James Royal Schildknecht, of Montclair, N.J.
 Margaret Carey Schmidt, of Gibson Island, Md.
 Marlene Robin Schwaeber, of Roslyn, N.Y.
 Robert Edward Schwartzberg, of Larchmont, N.Y.
 Clark Pomeroy Searle, III, of Cincinnati, Ohio
 Sean Michael Seelau, of Cedar Rapids, Iowa
 Nicky Shah, of Dix Hills, N.Y.
 Laurence Paul Shanet, of New York, N.Y.

Jason Theodore Shaplen, of Princeton, N.J.
 Viqar M. Shariff, of Armouk, N.Y.
 Eric Winthrop Shaw, of Denver, Colo.
 Aaron Louis Shechter, of Plantation, Fla.
 N. Jay Shepherd, of Merriamacport, Mass.
 Jeffrey Dean Shiffer, of Lansing, Mich.
 Janice Shih, of Vienna, Va.
 Bob Yeon Shim, of Vienna, Va.
 Chung Kyun Shin, of Omaha, Neb.
 David D. Shin, of Honolulu, Hawaii
 David John Shin, of Malvern, Pa.
 Hyonah Shin, of Springfield, Pa.
 Yong Chul Shin, of Seoul, Korea
 Aneil Madhukar Shirke, of Milwaukee, Wis.
 Stephen Jonathan Siegel, of Scarsdale, N.Y.
 Steven Roy Silber, of Irvington, N.Y.
 Ellen Stephanie Simon, of New City, N.Y.
 Stacey Anne Simonson, of Littleton, Colo.
 Lora Louise Sims, of Shoals, Ind.
 Debra M. Siskind, of New York, N.Y.
 Glenn Scott Slavin, of Rockville, Md.
 George Van Siclen Smith, II, of Baltimore, Md.
 Gerald Matthew Smith, of Norwich, Conn.
 Laura Sharon Smolar, of Baltimore, Md.
 Paula A. Snedeker, of Meriden, Conn.
 Jeffrey Aaron Snyder, of Lincolnwood, Ill.
 Nicolette Andrea Solan, of Olney, Md.
 Yukio Sonoda, of New Rochelle, N.Y.
 Justine Patricia Sorrentino, of Millbrook, N.Y.
 James Ignatius Spak, of Huntington, N.Y.
 Matthew Adrian Spear, of Farmington Hills, Mich.
 Jennifer Lynn Stahl, of Scarsdale, N.Y.
 Lisa-Ann Mari Staruszkiewicz, of Wheaton, Md.
 Todd Martin Stefan, of Ocean City, N.J.
 Karen Elizabeth Stefanko, of Emmaus, Pa.
 Mindy Ellen Steinholtz, of Spring Valley, N.Y.
 Daniel Walter Stone, of Timonium, Md.
 Teresa Lynn Stricker, of Westminster, Md.
 Stephen Dudley Stukenberg, of Pittsford, N.Y.
 Mary Elizabeth Sumner, of Springfield, Ill.
 Janet Chij Mei Sun, of Raleigh, N.C.
 Sahir C. Surmeli, of Massapequa Park, N.Y.
 Joseph William Swanson, II, of Amherst, Mass.
 Paul Mathew Swanson, of Cranford, N.J.
 Christopher B. Szeles, of Woodside, N.Y.
 Wayne Tam, of Kowloon, Hong Kong
 Angela Wailan Tang, of Ellicott City, Md.
 John Henry Texter, of Baltimore, Md.
 Mark Austin Thistel, of Baltimore, Md.
 Jane Elizabeth Thomas, of Minneapolis, Minn.
 Sandrine Ariane Estelle Tiller, of Darien, Conn.
 John Paul Tomalis, of Camp Hill, Pa.
 Daniel Raymond Torrey, of Wilton, Conn.
 Timothy Robert Tuel, of Damascus, Md.
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Hopkins University, 1985.
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kins University, 1982.
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Hopkins University, 1986.
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Hopkins University, 1985.
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Hardeo Jagat, of Baltimore, Md.
Johnny Magwood, of Randallstown, Md.; A.S. The Johns Hopkins University, 1985.

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Gwendolyn M. Pinnix, of West Friendship, Md.; A.S. The Johns Hopkins University, 1985.
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Michael John Wild, of Baltimore, Md.

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Corey Michael McVicar, of Sydney, Australia. Piano.
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Andrew McIvor Cook, of Simi Valley, Calif. Violoncello.
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H. Eric Hansen, of Kaysville, Utah. Double Bass.
Trent Xavier Johnson, of Clinton, Md. Organ.
Rachel Wylene Jordan, of New Orleans, La. Violin.
Jung Hae Kim, of Seoul, Korea. Harpsichord.
Riko Kohazame, of Okinawa, Japan. Piano.
J. Michael Koon, of Woodbridge, Va. Voice.
Marguerite Michelle Krull, of Birmingham, Mich. Piano.
Hyun-Jin Kwon, of Seoul, Korea. Violoncello.
Hsiu-Fen Lee, of Taipei, Taiwan, China. Piano.
Ferdinand Robert Liva, Jr., of Dallas, Pa. Violin.
Coreen Ann Maki, of Seattle, Wash. Oboe.
Elizabeth Anne Marsh, of Omaha, Neb. Flute.
Scott McKay Martin, of Baltimore, Md. Composition.
Jennifer Louise Masché, of Pittsburgh, Pa. Flute.
Nadja Rachel Matisoff, of Berkeley, Calif. Voice.
Michael Ronald McClelland, of Baltimore, Md. Viola.
Deanne Meek, of Richland, Wash.; B.A. Whitman College, 1983. Voice.
Suraya Rehanna Mohamed, of Silver Spring, Md. Viola.
Jumi Mohammadioun, of Whaleyville, Md. Guitar.

Carolyn Clothier Montgomery, of Phoenixville, Pa. Voice.
Geoffrey Ross Morissette, of Hempstead, N.H. Piano.
Akiko Nakanishi, of Tokyo, Japan. Piano.
Frank James Owens, of Warrenton, Va. Music Education.
Hyun-Sook Park, of Austin, Texas. Piano.
Michung Park, of Sunnyvale, Calif. Piano.
David Brydon Patschke, of Towson, Md. Percussion.
Junghe Ra, of Seoul, Korea. Piano.
Shari Allison Rosen, of Old Bethpage, N.Y. Voice.
Raymond John Rossiter, of Churchville, N.Y.; B.M. The Johns Hopkins University, 1986. Music Education.
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Clifton Darnell Slaughter, of Philadelphia, Pa. Voice.
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Edward Lawrence Williams, of Bethesda, Md. Horn.
James Morgan Williams, III, of Huntsville, Ala. Flute.
Linda Gail Winchurch, of Baltimore, Md. Guitar.
Francis Jerome Winters, of Baltimore, Md.; B.M. The Johns Hopkins University, 1987. Recording Arts and Sciences.

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in The School of Nursing

- Micaela M. Aigner, of Rapid City, S.D.
Terri Lynn Almony, of White Hall, Md.
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Maria Justina Jose Ancheta, of Baltimore, Md.
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Rebecca A. U. Gardner-Brown, of Groton, Conn.; B.A., Barat College, 1977.
Debra Jean Green, of Huntingdon, Pa.
Tina Marie Harris Deringer, of Baltimore, Md.
Effie Yakoumatos Hawley, of Thurmont, Md.; B.S. University of Maryland, College Park, 1984.
Elaine Kelso Johnson, of Joppatowne, Md.; B.A. University of Delaware, 1970.
Kimberly Edwards Loman, of Port Deposit, Md.; B.S. University of Delaware, 1984.
Renee Denise Love, of Chattanooga, Tenn.
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Maryland, 1983.
Jamelia Stolpp Maher, of Monkton, Md.; B.A. Towson State University, 1982.
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Deborah Dawn Miller, of Beckley, West Virginia; B.A. West Virginia University, 1986.
Katherine Sitkin Miller, of Phoenix, Ariz.; B.A. Lone Mountain College, 1973.
Tara Marie Sheehan, Toms River, N.J.
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Sandra Marie Swoboda, of College Park, Md.; B.S. High Point College, 1985.
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 Patricia Hopkins Alexander, of Columbia, Md.; B.S. University of Maryland, Eastern Shore, 1969. Education.
 Patricia Kanzia Alexander, of Hitchville, Md.; B.S. Northern Illinois University, 1974. Education.
 Cynthia L. Amirault, of Baltimore, Md.; B.S. University of Maryland, 1979. Education.
 Doris Annette Ashmore, of Cockeysville, Md.; B.S. Towson State University, 1981. Education.
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- Joan Pillion Boyle, of Baltimore, Md.; B.S. University of Maryland, 1972. Education.
- Gloria Jean Bryan, of Linthicum, Md.; B.S. The Johns Hopkins University, 1986. Applied Behavioral Science.
- Dawn Marie Bucknor, of Columbia, Md.; B.A. Federal City College, 1977. Education.
- Colleen Rae Calhoon, of Baltimore, Md.; B.A. Cleveland State University, 1982. Education.
- Janet Lois Campbell, of Baltimore, Md.; M.S. University of Massachusetts, 1982. Education.
- Sally Ann Campbell, of Columbia, Md.; Ph.D. University of Maryland, 1977. Applied Behavioral Science.
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- Lesley-Anne Chorn, of Durban, South Africa; B.A. University of Natal, 1981. Education.
- Linda Jean Colgain, of Silver Spring, Md.; B.S. Frostburg State University, 1981. Education.
- Costantino Joseph Colombo, of Baltimore, Md.; B.S. University of Maryland, 1974. Applied Behavioral Science.
- Katherine Neville Comfort, of Linwood, Md.; B.S. The Johns Hopkins University, 1973. Education.
- Lisa M. Coccodari, of Glen Burnie, Md.; B.S. Kutztown University, 1984. Education.
- Sandra Elizabeth Conner-White, of Baltimore, Md.; B.A. Morgan State University, 1979. Applied Behavioral Science.
- Robert Roy Cooke, of Baltimore, Md.; B.S. Towson State University, 1969; M.S. University of Delaware, 1972. Education.
- Rose Marie Coughlin, of Baltimore, Md.; B.A. College Misericordia, 1960. Applied Behavioral Science.
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- Richard Anderson Creamer, of Baltimore, Md.; M.A. Washington College, 1978. Education.
- Nancy Ann Culotta, of Baltimore, Md.; B.S. Towson State University, 1982. Education.
- Julie Guill Curran, of Glen Burnie, Md.; B.S. Frostburg State University, 1969. Education.
- Karen Ann Curreri, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1986. Education.
- Jeanette Marie Curry, of Baltimore, Md.; B.S. Towson State University, 1982. Education.
- Mark Stirling Curtis, of Columbia, Md.; B.A. The Johns Hopkins University, 1972. Education.
- Marni Gwen de la Cruz, of Colorado Springs, Colo.; B.A. University of Denver, 1976. Education.
- Bruce Lewis Damasio, of Reisterstown, Md.; B.A. Grove City College, 1974; M.Ed. Western Maryland College, 1979. Education.
- Kathleen Linsley Davis, of Ellicott City, Md.; B.S. Auburn University, 1978. Education.
- Glenn Dorsey, of Baltimore, Md.; M.Ed. University of Maryland, 1974. Education.
- Gary John Dresser, of Baltimore, Md.; B.A. Concordia College, 1979. Education.
- Jean Hughes Elsey, of Baltimore, Md.; B.S. Morgan State University, 1970. Education.
- Barbara Carol Falkinburg, of Baltimore, Md.; B.S. Millersville State College, 1978. Education.
- Ann Farmer, of Owings Mills, Md.; B.S. Georgia Southern College, 1979. Education.
- William Albert Feustle, of Baltimore, Md.; B.A. The Johns Hopkins University, 1979. Education.
- Teresa Jean Files, of Glen Burnie, Md.; B.A. Arizona State University, 1978. Education.
- John H. Finken, Jr., of Easton, Pa.; B.S. East Stroudsburg University, 1983. Education.
- Farifteh Firoozmand, of Baltimore, Md.; B.A. University of Maryland, 1984. Education.
- Karen Marie Flathman, of Towson, Md.; B.A. Goucher College, 1984. Education.
- Sharon Elizabeth Floyd, of Owings Mills, Md.; B.A. High Point College, 1980. Education.
- Carol Lea Fritts, of Columbia, Md.; M.L.S. University of Maryland, 1983. Education.
- Jane Ann Garvin, of Sykesville, Md.; B.S. College of Notre Dame of Maryland, 1983. Education.
- Mary S. Giammalvo, of Derwood, Md.; B.S. Pennsylvania State University, 1973. Applied Behavioral Science.
- Luke Joseph Glasgow, of Baltimore, Md.; A.A. Anne Arundel Community College, 1979; B.S. University of Baltimore, 1982. Education.
- Beverly Fox Gold, of Baltimore, Md.; M.Ed. Loyola College, 1967; C.A.S. The Johns Hopkins University, 1976; Ph.D. Union Graduate School, 1981. Education.
- Robin Rohr Green, of Baltimore, Md.; B.S. James Madison University, 1982. Education.
- David Charles Greenberg, of Baltimore, Md.; M.Ed. Loyola College, 1983. Education.
- Bonita Rhea Greenwald, of Hagerstown, Md.; B.S. Shippensburg University, 1972. Education.
- Lillie Wilks Grier of Baltimore, Md.; B.S. Coppin State College, 1962. Education.

- Beth Michele Grimm, of Sparks, Md.; B.S. Quinnapiac College, 1982. Education.
- Jacqueline Cordes Haas, of Aberdeen, Md.; B.S. University of Delaware, 1971. Education.
- Anna Louise Hagepanos, of Baltimore, Md.; B.S. Towson State University, 1981. Applied Behavioral Science.
- Kimberlee Ann Hall, of Baltimore, Md.; B.S. Towson State University, 1982. Education.
- Lee Donald Hall, of Baltimore, Md.; B.S. Coppin State College, 1970. Education.
- Suzanne Carroll Hall, of Baltimore, Md.; B.S. Towson State University, 1972. Applied Behavioral Science.
- Teresa Santoro Hall, of Belcamp, Md.; B.S. University of Pittsburgh, 1977. Education.
- Della Boyd Hanna, of Annapolis, Md.; B.A. Western Maryland College, 1963. Education.
- Gwen E. Harper, of Damascus, Md.; B.S. The Johns Hopkins University, 1984. Applied Behavioral Science.
- Virginia Werber Hartmuller, of Laurel, Md.; M.S. Purdue University, 1971. Education.
- Homer Lee Hastings, of Port Tobacco, Md.; B.S. University of Maryland, 1980. Education.
- Nancy Elizabeth Hastings, of Port Tobacco, Md.; B.S. University of Maryland, 1980. Education.
- Patricia Ann Heldmann, of Baltimore, Md.; B.S.N. University of Maryland, 1978. Education.
- Mary Jones Henschel, of Harwood, Md.; B.S. Virginia Commonwealth University, 1975. Education.
- Christine Jensen Hetrich, of Abingdon, Md.; M.A. Towson State University, 1984. Education.
- Patricia Anne Highland, of Florham, N.J.; B.S. Marywood College, 1983. Education.
- Bradley Budd Hildreth, of Severn, Md.; B.S.E.E. Rensselaer Polytechnic Institute, 1984. Applied Behavioral Science.
- Marcy Lynne Howard, of Owings Mills, Md.; B.S. University of Maryland, 1978. Education.
- Gail I. Hutchinson, of Columbia, Md.; B.S. Elmira College, 1963. Education.
- Sandra Swietek Jaworski, of Highland, Md.; B.S. Southern Connecticut State, 1981. Education.
- Verlisa Norman Jay, of Baltimore, Md.; B.S. Morgan State University, 1977. Education.
- Barbara Koehler Johnson, of Laurel, Md.; B.A. University of Maryland, Baltimore County, 1982. Education.
- Francine Winston Johnson, of Baltimore, Md.; M.A. Morgan State University, 1971. Education.
- Kelly Susan Fonner Jones, of Morrisville, Pa.; B.S. Millersville University, 1983. Education.
- Susan Gundry Justice, of Catonsville, Md.; B.S.N. Madonna College, 1979. Education.
- Karen Ann Karnes, of Baltimore, Md.; B.A. Goucher College, 1977. Education.
- Kathleen Gardner Kellam, of Port Republic, Md.; B.A. St. Mary's College, 1979. Applied Behavioral Science.
- Penny Knott Keune, of Gaithersburg, Md.; B.A. University of Maryland, 1983. Applied Behavioral Science.
- Susan Carole Klein, of Tacoma Park, Md.; B.S. George Washington University, 1978. Education.
- Anna Darby Knauer, of Baltimore, Md.; B.S. Towson State University, 1953. Education.
- Cheryl M. Laub, of Lancaster, Pa.; M.S. Millersville State College, 1977. Education.
- Marilyn Frances Laufer, of Ellicott City, Md.; B.A. University of Baltimore, 1980.
- Joyce Horowitz Lederman, of Baltimore, Md.; B.A. University of Michigan, 1973. Education.
- Jacqueline Rayner Leedom, of Glenwood, Md.; B.A. Western Maryland College, 1967. Education.
- Ann Elizabeth Levine, of Olney, Md.; B.S. Lesley College, 1979. Education.
- Karen Lewald, of Baltimore, Md.; B.S. Towson State University, 1981. Education.
- Susan Crumley Louthan, of Baltimore, Md.; B.S. Pennsylvania State University, 1954. Education.
- Amy Ruth Magaziner, of Baltimore, Md.; B.S. University of Delaware, 1984. Education.
- Michaeleen Ann Malone, of Baltimore, Md.; B.S.N. University of Maryland, 1979. Education.
- Keila Rachel Becher Manekin, of Baltimore, Md.; B.A. Hebrew University, 1982. Education.
- Cindy Judge Manger, of Timonium, Md.; B.S. Madison College, 1977. Education.
- Karen Manns, of Baltimore, Md.; B.S. Towson State University, 1978. Education.
- Elena Marie Marsico, of Pittsburgh, Pa.; B.A. Indiana University of Pennsylvania, 1981. Education.
- Susan Clopein Mascaro, of Columbia, Md.; B.S. University of Maryland, 1984. Education.
- Arthur Clay Matthews, of Westminster, Md.; B.A. Messiah College, 1979. Education.
- Anne Waller McAvoy, of Baltimore, Md.; B.S. Towson State University, 1983. Education.
- Kathleen Joy McCune, of Baltimore, Md.; B.S. Towson State University, 1982. Education.
- Regina Diascro McCurdy, of Westminster, Md.; B.A. La Salle College, 1976. Applied Behavioral Science.
- Bridget O'Connor McCusker, of Baltimore, Md.; A.A. Villa Julie College, 1976; B.A. University of Maryland, 1980. Education.

- Cheryl Anne McDonnell, of Grand Rapids, Mich.; B.A. Michigan State University, 1979. Education.
- Kimberly Anne McMenamin, of Baltimore, Md.; B.A. Mary Washington College, 1978. Education.
- Mary Deloris McPherson, of Fort Washington, Md.; B.S. University of Maryland, 1983. Education.
- Barbara Smith Meeks, of Chester, Md.; B.A. Washington College, 1979. Education.
- Cynthia Shank Miller, of Baltimore, Md.; B.S.N. University of Maryland, 1979. Education.
- Joan N. Miller, of Towson, Md.; M.Ed. Loyola College, 1971. Education.
- Lee Ann Moore, of Severn, Md.; B.S. University of Nebraska, 1972. Education.
- Priscilla Morin, of Joppa, Md.; B.S. Mount St. Mary's College, 1979. Applied Behavioral Science.
- Cathie Ann Morrison, of Bel Air, Md.; M.Ed. Pennsylvania State University, 1973. Education.
- Joan Maruskin Mott, of Stewartstown, Pa.; B.S. California State College, 1964. Education.
- Susan Schaub Nash, of Ellicott City, Md.; B.S. Towson State University, 1975. Education.
- Margaret Jean Nellis, of Lincoln, Neb.; Ph.D. University of Chicago, 1981. Education.
- Susan Bubert Nelson, of Cumberland, Md.; M.Ed. Pennsylvania State University, 1967. Education.
- Kim Riley Normoyle, of Coupville, Wash.; B.A. University of California, 1977. Education.
- Debra Ann O'Donnell, of Baltimore, Md.; B.S. University of Maryland, 1980. Education.
- Maxine Hinda Ofowitz, of Pikesville, Md.; B.A. Towson State University, 1980. Education.
- Shelia Elizabeth O'Neill, of Baltimore, Md.; B.S. Towson State University, 1974. Education.
- Jacqueline Ann O'Rourke, of Baltimore, Md.; B.S. University of Delaware, 1981. Education.
- Donna Latta Parker, of Pasadena, Md.; B.S. University of Maryland, 1984. Applied Behavioral Science.
- Nancy Doyle Patrick, of Baltimore, Md.; B.S. Towson State University, 1980. Education.
- John Roger Pendill, of Bel Air, Md.; B.S. Susquehanna University, 1970; M.S. The Johns Hopkins University, 1979. Education.
- Ranny E. Pierce, of Columbia, Md.; B.S. University of Maryland, 1966. Education.
- Kathleen Murray Pollak, of North Springfield, Va.; M.A. College of St. Rose, 1976. Education.
- Linda Lee Quick, of Columbia, Md.; B.S. University of Delaware, 1972. Education.
- Carita Ward Randall, of Baltimore, Md.; B.S. Morgan State University, 1978. Education.
- Nicholas Rangos, of Silver Spring, Md.; B.S. Trenton State College, 1975. Education.
- Carolyn Jean Rebar, of Columbia, Md.; B.A. University of Michigan, 1973. Applied Behavioral Science.
- Martin Andrew Reisinger, of Baltimore, Md.; B.S. Loyola College, 1975. Education.
- Carolyn J. Richardson-Ford, of Baltimore, Md.; B.S. State University College at Buffalo, 1979. Education.
- Kathleen Marie Rivetti, of Baltimore, Md.; B.S. University of Maryland, 1980. Education.
- Martha Diane Robbins, of Silver Spring, Md.; B.S. Towson State University, 1983. Education.
- Frances Marie Roderick, of Catonsville, Md.; B.S. The Johns Hopkins University, 1982. Applied Behavioral Science.
- Maria Soledad Birrell Rodriguez, of Santiago, Chile. Education.
- Lynne E. Salkowski, of Baltimore, Md.; B.A. Pfeiffer College, 1977. Applied Behavioral Science.
- Howard Schindler, of Lutherville, Md.; B.S. State University of New York at Cortland, 1975. Education.
- James Lester Schmidt, of Columbia, Md.; B.S. Southern Illinois University, 1979. Education.
- Jane Schulman, of Owings Mills, Md.; B.S. University of Maryland, 1976. Education.
- Mary Caroline Schumacher, of Baltimore, Md.; B.S. Towson State University, 1976. Education.
- Barbara Nickel Schuman, of Linthicum Heights, Md.; B.S.N. University of Maryland, 1978. Education.
- Jackie Mai Selba, of Pasadena, Md.; B.S. Indiana University of Pennsylvania, 1981. Education.
- Michael Francis Selba, of Pasadena, Md.; B.A. Towson State University, 1972. Education.
- Charlyn Louise Sewell, of Kingsville, Md.; B.A. Salem College, 1972. Education.
- Darlene Patricia Shank, of Joppa, Md.; B.S. Frostburg State University, 1980. Education.
- Linda J. Sheppard, of Columbia, Md.; B.A. Miami University, 1984. Education.
- Donna Marie Sherman, of Laurel, Md.; B.S. University of Maryland, 1978. Education.
- Dorothy Delores Shilow, of Baltimore, Md.; B.A. University of Baltimore, 1977; M.A.S. The Johns Hopkins University, 1980. Education.
- Lisa Lassiter Simmons, of Columbia, Md.; B.E. West Chester University, 1981. Education.
- Mary Elizabeth Soles, of Baltimore, Md.; B.A. Shepherd College, 1981. Education.

- Carol Kozlowski Spangler, of Columbia, Md.; B.S. Cornell University, 1966; M.S. University of North Carolina, 1970. Applied Behavioral Science.
- Demetra M. Spanos, of Baltimore, Md.; B.S. University of Maryland, 1966. Education.
- William F. Stacy, of Baltimore, Md.; B.S. Virginia Polytechnic Institute and State University, 1970. Urban Planning and Policy Management.
- Melanie Casey Stegner, of Millersville, Md.; B.S. Indiana University of Pennsylvania, 1976. Education.
- Mary Catherine Stephen, of Columbia, Md.; B.S. Indiana University of Pennsylvania, 1978. Education.
- Debra Stevenson, of Baltimore, Md.; B.A. Winston-Salem State University, 1985. Education.
- Michelle Joyce Stupak, of Cockeysville, Md.; B.S. Towson State University, 1973. Applied Behavioral Science.
- Philip Wesley Tawes, Jr., of Glen Burnie, Md.; B.A. University of Maryland, 1970. Education.
- Mariam Ellen Taylor, of Hagerstown, Md.; B.A. Hood College, 1983. Education.
- Phyllis Ann Taylor, of Laurel, Md.; B.A. University of Maryland, 1976. Applied Behavioral Science.
- Emily Verloop Thomas, of Randallstown, Md.; B.S. Virginia Commonwealth University, 1972. Education.
- Geraldine R. Thomas, of Millersville, Md.; B.A. Briar Cliff College, 1956. Education.
- Alexandra Thorn, of Annapolis, Md.; B.A. St. Mary's College of Maryland, 1984. Education.
- Gloria Bias Tillery, of Columbia, Md.; B.S. Morgan State University, 1965. Education.
- Patricia M. Trafton, of Derwood, Md.; B.S. University of Maryland, 1968. Education.
- Barbara Burnett Via, of Baltimore, Md.; B.S. Elizabeth City College, 1966. Education.
- Henry Vincent Wagner, Jr.; B.A. Loyola College, 1974. Education.
- Sharon Myers Wagner, of Baltimore, Md.; B.S. Towson State University, 1968. Education.
- Andrea Mercedes Waldron, of Columbia, Md.; B.S. Towson State University, 1981. Education.
- Harry C. Walker, Jr., of Baltimore, Md.; B.A. Tusculum College, 1979. Education.
- Mary Louise Wall, of Upper Marlboro, Md.; B.S. Florida State University, 1968. Education.
- Elizabeth Bowles Warbasse, of Baltimore, Md.; Ph.D. Radcliffe College, 1960. Education.
- William Scott Ward, of Eldorado Springs, Mo.; B.S. Southwest Missouri State University, 1985. Education.
- Gail Bryant Wells, of Bel Air, Md.; B.S. Towson State University, 1982. Education.
- Jacqueline Rutkowski Whiteley, of Lutherville, Md.; B.S. University of Maryland, 1980. Education.
- Joan V. Wickman, of Bel Air, Md.; Towson State University, 1985. Education.
- Nancy MacIsaac Wilfong, of Baltimore, Md.; B.A. University of Tampa, 1984. Education.
- Charlotte Makle Williams, of Baltimore, Md.; B.S. Coppin State College, 1976. Education.
- Anna Marie Williams-Tominack, of La Plata, Md.; B.S. University of Maryland, 1983. Education.
- Diane Bates Winde, of Hanover, Md.; B.A. Oglethorpe College, 1968. Education.
- Virginia Windler, of Laurel, Md.; B.S. University of Maryland, 1981. Education.
- William Thomas Witte, of Silver Spring, Md.; B.S. University of Maryland, 1980. Education.
- Shelia P. Wolff, of Gambrills, Md.; B.A. University of South Carolina, 1964. Applied Behavioral Science.
- Judith Brown Woodworth, of Baltimore, Md.; B.A. George Washington University, 1966. Applied Behavioral Science.

MASTERS OF LIBERAL ARTS

in The School of Continuing Studies

- Joseph Herman Axelrod, of Baltimore, Md.; D.D.S. University of Maryland, 1962.
- Robert Hemsley Baer, of Baltimore, Md.; B.A. Towson State University, 1981.
- Sally Uhler Boswell, of Baltimore, Md.; B.A. Salisbury State College, 1976.
- Robin Jacques Breiteneker, of Cockeysville, Md.; B.S.N. The Johns Hopkins University, 1964.
- Anna Regena Bryan, of Laurel, Md.; M.L.S. University of Pittsburgh, 1980.
- Jeffrey Edward Christ, of Baltimore, Md.; M.Ed. Loyola College, 1983.
- Kathy Frances Crosby, of Baltimore, Md.; B.S. St. Mary's College of Maryland, 1981.
- Regina Lee Friedlander, of Columbia, Md.; B.A. Rutgers University, 1969.
- Leslie Baldwin Goetsch, of Baltimore, Md.; B.A. Duke University, 1979.
- Robert Lee Gould, of Baltimore, Md.; B.S. Towson State University, 1985.

- Gene Arthur Haney, of Westminster, Md.; B.S. University of Maryland, 1982.
- George Matthew Immler, of Baltimore, Md.; B.S. University of Baltimore, 1979.
- Trina L. Johns, of Baltimore, Md.; B.S. Michigan State University, 1966.
- Herbert Arthur Kushner, of Baltimore, Md.; M.D. The Johns Hopkins University, 1960.
- Christine Louise Lambert, of Edgemere, Md.; B.S. University of Maryland, 1979.
- Paul Castellano Laud, of Baltimore, Md.; B.S. Towson State University, 1985.
- Mary Jelen Lorsung, of Columbia, Md.; B.A. Marquette University, 1960.
- Henry R. Messenger, of Baltimore, Md.; B.S. University of Maryland, 1976.
- Cynthia J. Peterka, of Baltimore, Md.; M.S. University of Utah, 1977.
- Regina Grant Rach, of Perry Hall, Md.; B.S. Towson State University, 1981.
- Cherie Holden Sewell, of Baltimore, Md.; B.S. The Johns Hopkins University, 1983.
- Burton Jay Shapiro, of Baltimore, Md.; B.A. University of Maryland, 1968.
- Lynn Karel Sibley, of Towson, Md.; B.S. The Johns Hopkins University, 1982.
- Alfred Patrick Smithwick, of Glencoe, Md.; B.A. The Johns Hopkins University, 1973; M.A. Hollins College, 1975.
- John William Snow, of Jacksonville, Fla.; B.A. University of Toledo; LL.B. George Washington University, 1967.
- Mary Elizabeth Sprankle, of Catonsville, Md.; B.A. Towson State University, 1977.
- Henry Grier Stanton, of Ellicott City, Md.; B.S. The Johns Hopkins University, 1985.
- Nancy W. Thompson, of Baltimore, Md.; B.A. Wheaton College, 1951.
- Mary Ellen Thomsen, of Baltimore, Md.; B.A. Radcliffe College, 1954.
- Rhonda Mullen Watts, of Baltimore, Md.; B.A. University of Southern Mississippi, 1982.
- Esterlee Hutzler Weinhoeppel, of Baltimore, Md.; B.A. Bryn Mawr College, 1945; B.A. Goucher College, 1985.
- Karen Leigh Willmes, of Baltimore, Md.; B.A. The Johns Hopkins University, 1984.

MASTERS OF ADMINISTRATIVE SCIENCE

in The School of Continuing Studies

- Verlin L. Abbott, of Columbia, Md.; B.S. University of Missouri, 1976. Management.
- Marcie J. Allman, of Baltimore, Md.; B.A. Western Maryland College, 1981. Information Technology.
- Dennis Gerard Averill, of Abingdon, Md.; M.H.S. The Johns Hopkins University, 1983. Management.
- Perry Steele Bacon, of Timonium, Md.; B.A. George Washington University, 1982. Management.
- Caroline McCormick Bagby, of Baltimore, Md.; B.A. Guilford College, 1984. Management.
- Elizabeth Erica Ball, of Bethesda, Md.; B.A. Duke University, 1985. Management.
- Craig Jack Bancroft, of Reisterstown, Md.; B.S. Mount St. Mary's College, 1984. Management.
- Amy J. Baumbach, of Columbia, Md.; B.S. Northeastern University, 1979. Management.
- Douglas Behrens, of Glen Arm, Md.; B.A. University of Maryland, Baltimore County, 1971. Management.
- Roger Alan Behringer, of Shingle Springs, Calif.; B.S. University of California, Berkeley, 1980. Management.
- Sylvia Wong Bellefluer, of Gaithersburg, Md.; B.S. University of Maryland, 1981. Management.
- Rebecca Orr Benner, of Arnold, Md.; M.S. West Virginia University, 1983. Public Administration.
- David Paul Bieg, of Collegeville, Pa.; B.S. Russell Sage College, 1982. Management.
- Nancy Louise Bienia, of Columbia, Md.; B.A. University of Maryland, 1971. Management.
- Roz-Lynn Blitzer, of Baltimore, Md.; B.S. The Johns Hopkins University, 1977. Management.
- Brian George Boettcher, of Ellicott City, Md.; B.A. University of Wisconsin, 1976. Human Resource Development.
- William Robert Bonnington, of Parkton, Md.; B.S. Southern Oregon State College, 1981. Management.
- Walter Borys, Jr., of Columbia, Md.; B.E. City College of New York, 1972. Management.
- Pamela Dyson Brambeck, of Columbia, Md.; B.S.N. Marymount College, 1984. Management.
- Alan C. Brandt, of Baltimore, Md.; B.S.E.E.T. Ohio Institute of Technology, 1982. Management.
- Charles Michael Briggs, of Washington, D.C.; B.A. University of Pennsylvania, 1965; M.D. George Washington University, 1972. Management.

- Craig R. Brown, of Columbia, Md.; B.A. Queens College, 1975. Information Technology.
- Curtis Holt Brown, of Timonium, Md.; B.S. Pennsylvania State University, 1982. Management.
- John Rufus Brown, of Columbia, Md.; B.S. Benedict College, 1969. Management.
- Margaret Powell Bryant, of Baltimore, Md.; B.A. New England College, 1982. Management.
- Kerra C. Buchanan, of Wilmington, Del.; B.A. Pennsylvania State University, 1984. Human Resource Development.
- Roman J. Budzinski, of Severna Park, Md.; B.A. Lewis University, 1971. Management.
- Jerome Paul Bukovsky, Jr., of Baltimore, Md.; B.S. The Johns Hopkins University, 1964; M.L.A., 1968. Management.
- Yvonne Aleida Bultman, of Baltimore, Md.; B.S. University of Virginia, 1984. Information Technology.
- Karessa Uta Burris, of Ellicott City, Md.; B.S. Loyola College, 1984. Information Technology.
- Rhonda Yvonne Byrd, of Baltimore, Md.; B.S. Drexel University, 1981. Management.
- Arline Caliger, of Mt. Airy, Md.; B.S. Towson State University, 1983. Public Administration.
- Kevin Patrick Callahan, of Ellicott City, Md.; B.A. Loyola College, 1975. Management.
- Charles William Callender, Jr., of Parkton, Md.; B.S. The Johns Hopkins University, 1975. Information Technology.
- Joanne Mae Campbell, of Columbia, Md.; B.A. University of Baltimore, 1981. Management.
- Laurence Frederick Campbell, of Baltimore, Md.; B.S. Towson State University, 1980. Management.
- Christopher John Capone, of Silver Spring, Md.; B.S. Florida Southern College, 1981. Management.
- Christopher Scott Carlyle, of Ellicott City, Md.; B.A. University of Maryland, Baltimore County, 1978. Management.
- Timothy F. Carter, of Baltimore, Md.; B.S. Towson State University, 1980. Information Technology.
- Denise Lynn Cascio, of Cockeysville, Md.; B.A. University of Maryland, 1978. Information Technology.
- Kathleen Mohr Chaffinch, of Baltimore, Md.; B.S.N. University of Maryland, 1977. Management.
- John Patrick Chalk, of Owings Mills, Md.; M.Arch. Tulane University, 1982. Management.
- Raymond Walter Chance, of Baltimore, Md.; B.S.C.E. Virginia Polytechnic Institute and State University, 1982. Management.
- Leonard Garvie Chapel, of Aberdeen, Md.; B.A. Towson State University, 1977. Management.
- Cynthia Marie Chase, of Baltimore, Md.; B.S. Morgan State University, 1978. Management.
- Selma T. Cherian, of Gaithersburg, Md.; B.A. University of Madras, 1975. Management.
- Howard Jay Chessler, of Reisterstown, Md.; B.S. Towson State University, 1982. Management.
- Kathleen Margaret Clark, of Baltimore, Md.; B.A. Trinity College, 1972. Management.
- Drew Steven Cobb, of Baltimore, Md.; B.S. The Johns Hopkins University, 1987. Information Technology.
- Sharon Eileen Coburn, of Clifton, Va.; B.S. St. Joseph's College, 1985. Management.
- Christopher M. Cochran, of Havre de Grace, Md.; B.S. Cornell University, 1979. Management.
- Karenmay Wallace Cooper, of Baltimore, Md.; B.A. Goucher College, 1981. Management.
- Steven Keith Coppel, of Baltimore, Md.; B.S. University of Maryland, 1983. Management.
- Denise A. Creighton, of San Jose, Calif.; B.A. Loyola College, 1983. Management.
- Gary Lee Crockett, of Bel Air, Md.; B.S. Towson State University, 1979. Management.
- Steven Richard Cross, of Catonsville, Md.; B.E. Villanova University, 1972. Management.
- Robert C. Cruz, of York, Pa.; B.S. Centra Escolar University, 1969; E.M.B. York College of Pennsylvania, 1985. Management.
- Dennis P. Cuddy, of Baltimore, Md.; B.S. Pennsylvania State University, 1982. Management.
- Frances Irma Cunzeman, of Westminster, Md.; B.A. St. Joseph College, 1969. Human Resource Development.
- Frances Marlene Dalton, of Cooksville, Md.; B.S. University of Baltimore, 1982. Management.
- Rosemarie Dalton, of Sparks, Md.; B.S. The Johns Hopkins University, 1985. Management.
- Jayne Sue Daniell, of Columbia, Md.; B.S. Ohio State University, 1974. Management.
- Prasanta Das, of Adelphi, Md.; Ph.D. Case Western Reserve University, 1976. Management.
- Curtis Wayne Davis, of Washington Grove, Md.; B.S. Virginia Polytechnic Institute and State University, 1981. Management.
- Donald D. Dellone, of Baltimore, Md.; B.S. Towson State University, 1985. Information Technology.
- Karen Diaz de Magalhaes, of Baltimore, Md.; B.A. Goucher College, 1982. Information Technology.
- Mary C. Denker, of Towson, Md.; B.S. State University of New York at Syracuse, 1983. Management.
- Maureen F. Derogatis, of Baltimore, Md.; B.A. University of Delaware, 1970. Information Technology.

- Claudia P. Derse, of Baltimore, Md.; B.A. Gettysburg College, 1982. Management.
- Richard Ide DeWitt, of Baltimore, Md.; B.A. University of Maryland, 1983. Management.
- Gabriel John DiGiacomo, of Lutherville, Md.; B.S. Towson State University, 1981. Management.
- Joanne Brandt Dolan, of Baltimore, Md.; B.A. Bucknell University, 1978. Management.
- Robert David Donati, of Abingdon, Md.; B.S. University of Maryland, 1984. Management.
- LuAnn Dorbritz, of Silver Spring, Md.; B.A. Indiana University of Pennsylvania, 1982. Management.
- Christy Lee Driscoll, of Havre de Grace, Md.; B.A. Stonehill College, 1979. Management.
- M. Michelle Duffy, of Baltimore, Md.; B.A. Towson State University, 1982. Information Technology.
- Preston Warren Dugger, Jr., of Baltimore, Md.; B.S. Strayer College, 1983. Information Technology.
- Cynthia Ann DuHaime, of Burtonsville, Md.; B.A. Rutgers University, 1983. Management.
- Doris Jean Duren, of Baltimore, Md.; B.S. Morgan State University, 1976. Human Resource Development.
- Judith Arleen Duschea, of Ellicott City, Md.; B.A. University of Pittsburgh, 1974; B.S. Robert Morris College, 1983. Information Technology.
- Suzanne Marie Dyer-Gear, of Westminster, Md.; B.A. University of Tennessee, 1980. Management.
- Monte Stephen Dzurenko, of Baltimore, Md.; B.S. Youngstown State University, 1984. Management.
- Theresa Earhardt, of Ellicott City, Md.; B.A. College of Notre Dame, 1984. Management.
- Nicola Sian Edwards of Baltimore, Md.; B.S. University of Dundee, 1984. Management.
- Angela Weller Eggleston, of Baltimore, Md.; M.Ed. University of Florida, 1965. Management.
- William John Ehlers, of Jessup, Md.; B.A. Drew University, 1982. Management.
- John Francis Eid, of Severna Park, Md.; B.A. Loyola College, 1979. Information Technology.
- Margaret Cody Esposito, of Ellicott City, Md.; B.S. Franklin Pierce College, 1982. Information Technology.
- Thomas Patrick Evans, of Abingdon, Md.; B.A. University of Maryland, Baltimore County, 1980; B.S., 1983. Information Technology.
- Gregory Allan Farno, of Baltimore, Md.; B.A. Gettysburg College, 1978. Management.
- Efrain Jose Fernandez, of Gaithersburg, Md.; B.S. Salisbury State College, 1980. Management.
- Christine Ann Fink, of Pasadena, Md.; B.S.I.E. University of Wisconsin, 1984. Management.
- Richard Joseph Flanigan, Jr., of Timonium, Md.; B.A. Mount Saint Mary's College, 1981. Management.
- Barbara Ann Fortin, of Baltimore, Md.; B.S. Moorehead State University, 1983. Management.
- Stefan Kent Fox, of Edwalton Nott, England; B.S. Carnegie-Mellon University, 1978. Management.
- Joanne Frantz, of Baltimore, Md.; B.S. The Johns Hopkins University, 1986. Management.
- Michael Patrick French, of Westminster, Md.; B.A. University of Maryland, 1981. Management.
- John Alan Friedel, of Baltimore, Md.; B.B.A. Loyola College, 1985. Management.
- Kenneth Leon Fullerton, of Kingsville, Md.; B.A. Jacksonville University, 1977. Management.
- Eric David Gadd, of Charleston, W.Va.; B.S. Virginia Polytechnic Institute and State University, 1977. Management.
- John Franklin Geldner, Jr.; B.S. University of Maryland, 1985. Information Technology.
- Rochanya Hickman Generous, of Alexandria, Va.; B.A. McGill University, 1982. Management.
- James Anthony Genthner, of Baltimore, Md.; B.A. Loyola College, 1966. Management.
- Cynthia Hanco Giler, of Pasadena, Md.; B.A. Pennsylvania State University, 1977. Management.
- Eric Walter Gillberg, of Andrews A.F.B., Md.; M.B.A. University of Dayton, 1971. Human Resource Development.
- Jeffrey Frank Glajch, of West Lafayette, Ind.; M.S. Clarkson University, 1985. Management.
- Brian John Gleeson, of Sparks, Md.; B.S. University of Delaware, 1982. Information Technology.
- Mary Virginia Glover, of Columbia, Md.; B.S. Medical College of Virginia, 1960. Management.
- M. Thomas Goedeke, III, of Baltimore, Md.; B.A. Gettysburg College, 1967; M.B.A. Loyola College, 1972. Information Technology.
- Albert Elias Goldstein, of Towson, Md.; B.A. University of Maryland, 1977; M.A. California State University, 1983. Management.
- Alita Costa Gonzalez, of Baltimore, Md.; B.S. Far Eastern University, 1955. Information Technology.
- Kay Priest Gorse, of Elizabethtown, Pa.; B.S. Shippensburg University, 1976. Management.
- Kathryn A. Graebner, of Baltimore, Md.; M.Ed. Duquesne University, 1970. Management.
- Carol Serwa Green, of Baltimore, Md.; B.A. Merrimack College, 1970. Management.
- Andrea Cecelia Greybush-Mangroo, of Honolulu, Hawaii; B.A. Wilkes College, 1980. Management.
- Ileana Patricia Griffiths, of Columbia, Md.; B.A. Hofstra University, 1984. Management.

- Loretta Ritzer Grover, of Bel Air, Md.; B.S. State University of New York College, 1980. Management.
- Ashwani Kumar Gupta, of Baltimore, Md.; B.S. University of Rajasthan Jaipur, 1982. Management.
- Jack Wayne Guthall, of Timonium, Md.; B.S. Towson State University, 1977. Management.
- Janet Parker Haddad, of Columbia, Md.; M.A. Columbia University, 1968. Management.
- Bonnie L. Harrison, of Silver Spring, Md.; B.S. University of Baltimore, 1983. Information Technology.
- Gregory Francis Hasslinger, of Baltimore, Md.; B.S. St. Mary's College, 1979. Management.
- Ella Marie Hayes, of Baltimore, Md.; B.S. Towson State University, 1982. Management.
- Scott David Hollis, of Gambrills, Md.; B.S. Ohio State University, 1975. Management.
- Kenneth Harvey Homer, Jr., of Baltimore, Md.; M.Div. Lutheran Theological Seminary, 1980. Management.
- James T. Horgan, III, of Grand Rapids, Mich.; B.S. Georgetown University, 1980. Public Administration.
- Michael David Hudak, of Baltimore, Md.; B.S. University of Baltimore, 1985. Management.
- Deborah Hudson Hug, of Crofton, Md.; B.S. University of Maryland, 1979. Management.
- Michael J. Humphrey, of Baltimore, Md.; M.D. University of Arizona, 1977. Management.
- Marguerite Larue Ingalls, of Baltimore, Md.; B.A. The Johns Hopkins University, 1974. Management.
- Karen D. Johnson, of Columbia, Md.; B.S. University of Wyoming, 1977. Management.
- Charles Bradford Jones, of Baltimore, Md.; B.S. Towson State University, 1981. Management.
- Ronald Joseph Kammer, of New Freedom, Pa.; B.S. University of Maryland, 1970. Management.
- Ann Marie Karnyski, of Baltimore, Md.; B.S.N. State University of New York, 1983. Management.
- Catherine Hayes Katz, of Columbia, Md.; B.A. Loyola College, 1982. Information Technology.
- Motohiro Jack Kawano, of Rockville, Md.; B.S. Meiji University, 1975. Management.
- Tracey Marion Kean, of Baltimore, Md.; B.S. Towson State University, 1982. Management.
- Mary Paula Kearney, of Washington, D.C.; B.S. Towson State University, 1983. Management.
- Alice Morris Lenhard Kenney, of Baltimore, Md.; M.Ed. Loyola College, 1979. Management.
- Sheryl Ann Keller, of Annapolis, Md.; B.S. Shippensburg University, 1984. Management.
- Douglas William Kellerman, of Lutherville, Md.; B.A. Loyola College, 1983. Information Technology.
- Randolph Shelton Kiefer, of Reisterstown, Md.; B.B.A. University of Georgia, 1982. Management.
- Samy Kijner, of Paris, France; C.A.S. University of Pierre and Marie Curie, France, 1982. Management.
- Marie Luther Killian, of Jessup, Md.; B.S.I.E. University of Pittsburgh, 1984. Information Technology.
- Nina Gail Klein, of Baltimore, Md.; B.S.N. University of Maryland, 1983. Management.
- Leslie Watts Klinefelter, of Baltimore, Md.; B.A. Juniata College, 1982. Management.
- Patricia Ann Krenzke, of Baltimore, Md.; B.A. University of Maryland, 1984. Management.
- Gregory Brian Kroneberger, of Jarrettsville, Md.; B.S. Towson State University, 1975. Management.
- Terry Langbaum, of Baltimore, Md.; B.S. The Johns Hopkins University, 1985. Management.
- Kathy Riggs Larsen, of Severna Park, Md.; B.S. University of Maryland, 1979. Management.
- Patricia Nunn Law, of Finksburg, Md.; B.S.E.E.T. DeVry Institute of Technology, 1985. Management.
- Linda Ann Leahy, of Baltimore, Md.; B.S. Towson State University, 1981. Information Technology.
- Jill Anne Lehr, of Silver Spring, Md.; B.S.N. University of Maryland, 1982. Management.
- Mary Theresa Leo, of Baltimore, Md.; B.S. Marywood College, 1980. Management.
- Nancy Jan LePage, of Baltimore, Md.; B.S. University of Charleston, 1982. Management.
- Karen Schultz Lewand, of Baltimore, Md.; B.S. University of Dayton, 1967. Management.
- Jan Light, of Baltimore, Md.; B.A. Shippensburg University, 1974. Management.
- Mong-Ching Lin, of P.V.E., Calif.; B.A. Chinese Culture University, 1976. Management.
- Jane Eleanor Linkletter, of Gaithersburg, Md.; B.A. University of Massachusetts, 1975. Management.
- James Phillip Litchko, of Kensington, Md.; B.S. Ohio University, 1970. Information Technology.
- Roberta Jane Livingston, of Olney, Md.; B.A. San Diego State University, 1982. Management.
- Elizabeth Ann Lucas, of Arlington, Va.; B.S. Clarion University of Pennsylvania, 1983. Management.
- Michael J. Lynch, of Abingdon, Md.; B.S.E. Duke University, 1982. Management.
- Renee Irene Madden, of Columbia, Md.; B.S. University of Maryland, 1982. Management.
- William Thomas Mahoney, of Arlington, Va.; B.M.E. Villanova University, 1983. Management.
- Faye Eileen Malitz, of Baltimore, Md.; B.S. Towson State University, 1972. Management.

- Kathleen Marie Malone, of Baltimore, Md.; B.S. West Virginia University, 1983. Management.
- Ofelia Allones Mansilla, of Baltimore, Md.; B.S.N. Arellano University, 1979. Management.
- Valerie Lynn Matthews-Mehl, of Westminster, Md.; B.S. Towson State University, 1984. Management.
- Patricia Lee McGeehan, of Burtonsville, Md.; B.S. Lebanon Valley, 1979. Management.
- Keith Thomas McQuay, of Owings Mills, Md.; M.Ed. Loyola College, 1983. Information Technology.
- Forrest Allen Medley, of Columbia, Md.; B.S. University of Delaware, 1980. Management.
- Laurine Suatoni Mennell, of Columbia, Md.; B.S. Indiana State University, 1969. Management.
- Sally Louise Merchant, of Baltimore, Md.; A.A. Essex Community College, 1975; B.S. The Johns Hopkins University, 1985. Management.
- Kerry Lynn Meren, of Laurel, Md.; B.S. Towson State University, 1983. Management.
- David Matthew Michelson, of Columbia, Md.; B.S. Towson State University, 1984. Management.
- Lisabeth Susan Miller, of Baltimore, Md.; B.S. Mount Saint Mary's College, 1986. Management.
- Joanne Mills, of Baltimore, Md.; B.S.N. Towson State University, 1978. Management.
- James William Mizgala, of Silver Spring, Md.; B.A. Cornell University, 1984. Management.
- Margaret Elaine Molloy, of Baltimore, Md.; B.S. University of Colorado, 1978. Information Technology.
- Robert Joseph Moore, of Reisterstown, Md.; A.A. Pennsylvania State University, 1976; B.S., 1978. Management.
- Pamela Ann Moses, of Baltimore, Md.; B.A. Notre Dame University, 1983. Management.
- Gayle Mowbray, of Westminster, Md.; M.S. Gannon College, 1981. Management.
- Katherine E. Mueller, of Lutherville, Md.; B.S. The Johns Hopkins University, 1981. Management.
- Shirley Nathan-Pulliam, of Baltimore, Md.; B.S.N. University of Maryland, 1980. Management.
- Peggy Ladd Navarre, of Owings Mills, Md.; B.S. The Johns Hopkins University, 1983. Management.
- Andrew Edward Newton, of Baltimore, Md.; B.S. University of Connecticut, 1981. Information Technology.
- Susan Patricia Nolan-Russell, of Baltimore, Md.; B.A. University of Maryland, 1982. Management.
- Rita L. O'Brien, of Baltimore, Md.; B.S. Millersville State College, 1983. Management.
- Mary Ellen O'Donnell, of Towson, Md.; B.S. Towson State University, 1980. Management.
- Prince Mathias Kwabena Ofosu-Appiah, of Baltimore, Md.; B.S. University of Science and Technology, Ghana, 1980. Management.
- Bernard O'Neill, of Mt. Airy, Md.; B.A. Loyola College, 1978. Information Technology.
- Deborah L. O'Neill, of Baltimore, Md.; B.A. University of Maryland, 1972. Management.
- Jodie Lee O'Reilly, of Ruxton, Md.; B.S.N. University of Maryland at Baltimore, 1981. Public Administration.
- Paul Palmer, Jr., of North East, Md.; B.S. Le Tourneau College, 1981. Management.
- Elizabeth Marie Paris, of Germantown, Md.; M.S. University of Maryland, 1982. Management.
- Kevin Wyck Parizek, of Baltimore, Md.; B.S. University of Baltimore, 1984. Information Technology.
- Donnamarie Parks, of Timonium, Md.; B.A. University of Delaware, 1984. Management.
- Sydney Charles Paskel, of Upper Marlboro, Md.; B.A. Saint Augustine's College, 1976. Management.
- Steven Eric Pease, of Randallstown, Md.; B.S. Elizabethtown College, 1984. Information Technology.
- Bryan Scott Perkal, of Baltimore, Md.; B.S. University of Maryland, 1983. Information Technology.
- Margaret Lynn Perkoski, of Laurel, Md.; B.A. George Washington University, 1975. Information Technology.
- Rustin Dale Peterson, of Elkridge, Md.; B.S. University of Southern Colorado, 1985. Information Technology.
- Kent Bennion Potter, of Ft. Meade, Md.; B.A. University of Utah, 1982. Management.
- Tina Elizabeth Price, of Baltimore, Md.; A.S. Catonsville Community College, 1983; B.S. Towson State University, 1985. Management.
- Mark Alan Randolph, of Bel Air, Md.; B.S. University of Maine, 1979. Management.
- Sharon Ann Reeves, of Churchville, Md.; B.S.N. University of Rhode Island, 1975. Management.
- John Francis Reilly, of Baltimore, Md.; B.A. Bowdoin College, 1976. Management.
- Brenda J. Reynolds, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1979. Management.
- Brenda Daugherty Rhodes, of Columbia, Md.; B.A. Frostburg State University, 1981. Management.
- Stephanie Leigh Richter, of Baltimore, Md.; B.A. Western Maryland College, 1982. Management.
- Amy M. Rivera, of Columbia, Md.; B.S. Towson State University, 1982. Management.
- Michael Steven Roberts, of York, Pa.; B.S. Pennsylvania State University, 1983. Management.
- Robert N. Robertson, of Columbia, Md.; B.E. Vanderbilt University, 1977. Management.

- Bonnie Loy Robeson, of Columbia, Md.; B.A. West Virginia University, 1975; M.S., 1977; Ph.D., 1979. Management.
- Howard Mark Rothenburg, of Baltimore, Md.; B.A. University of Maryland, 1984. Information Technology.
- Joan Sanders Rudolph, of Baltimore, Md.; B.S. Towson State University, 1982. Management.
- Robert B. Rummerfield, of Baltimore, Md.; B.A. Loyola College, 1981. Management.
- David Thomas Runner, of Perry Hall, Md.; B.A. California State University, 1977. Management.
- Mary Josephine Fisher Rykiel, of Baltimore, Md.; B.S.N. University of Maryland, 1980. Management.
- Donna Page Rymer, of Bel Air, Md.; B.S. University of Maryland, 1969. Behavioral Option.
- Susan Theresa Sadowski, of Baltimore, Md.; B.M. The Johns Hopkins University, 1977. Information Technology.
- Edward N. Sague, of Severna Park, Md.; B.A. La Salle University, 1974; D.D.A. Temple University, 1978. Management.
- Davinder Sakhuja, of New Carrollton, Md.; B.Com. Hamidia Arts and Communications College, 1974. Information Technology.
- Christine Diane Savich, of West River, Md.; B.A. Towson State University, 1970. Management.
- John Joseph Schiavone, of Baltimore, Md.; B.A. Western Maryland College, 1984. Management.
- Sarah Gay Schlecht, of Allentown, Pa.; B.A. Dickinson College, 1984. Management.
- Paul W. Schlough, of Monkton, Md.; B.S. East Stroudsburg State University, 1960. Management.
- Carolyn A. Schoenian, of Columbia, Md.; B.S.T.M. American University, 1984. Management.
- Yigal Israel Segal, of Baltimore, Md.; B.T.L. Ner Israel Rabbinical College, 1985. Management.
- Darlene May Sheffer, of Pasadena, Md.; B.S. Salisbury State College, 1978. Management.
- Sarah Sherman, of Columbia, Md.; B.A. Tel Aviv University, 1972. Management.
- Lillian Dierker Shockney, of Reisterstown, Md.; B.S. St. Joseph's College, 1982. Behavioral Option.
- Susan Shofer, of Baltimore, Md.; B.A. University of Maryland, 1983. Management.
- Sherry Honey Silver, of Baltimore, Md.; B.S. Oneonta State College, 1977. Behavioral Option.
- Eric Putnam Silvester, of Columbia, Md.; B.A. University of Maryland, 1975. Management.
- Harry Michael Smith, of Baltimore, Md.; B.S. Towson State University, 1981. Management.
- Joseph Thomas Smith, of Eldersburg, Md.; B.S. Saint Peter's College, 1972. Management.
- Shirley Jacqueline Smith, of Baltimore, Md.; B.S.N. University of Maryland, 1978. Public Administration.
- Bruce Alan Stanski, of Ellicott City, Md.; B.S. Towson State University, 1982. Management.
- Barbara Lee Starklauf, of Baltimore, Md.; B.S. The Johns Hopkins University, 1983. Management.
- Victor George Stickel, Jr., of Ocean City, N.J.; B.S.M.E. Lehigh University, 1985. Management.
- Kenneth B. Stoll, of Annapolis, Md.; B.S. Shippensburg University, 1984. Management.
- Jeffrey Lynn Stroud, of Baltimore, Md.; B.A. Michigan State University, 1978. Management.
- Joanne Marie Stryjewski, of Towson, Md.; B.S. Towson State University, 1983. Management.
- Alan Francis Stubbs, of Baltimore, Md.; B.A. Marshall University, 1975. Information Technology.
- John Andrew Svrjcek, of Abingdon, Md.; B.S. University of Maryland, 1984. Management.
- John Reuben Sylvester, of Baltimore, Md.; B.S. Towson State University, 1980. Information Technology.
- William Charles Taylor, IV, of Baltimore, Md.; B.S. The Johns Hopkins University, 1986. Management.
- Tracy Ann Terrell, of Washington, D.C.; B.B.A. Howard University, 1984. Information Technology.
- Rakesh Thakur, of Columbia, Md.; B.S. George Washington University, 1984. Management.
- Jeffrey Marlborough Thayer, of Glen Arm, Md.; B.S. Northeastern University, 1982. Management.
- Elizabeth F. Tirri, of Baltimore, Md.; B.S. Gwynedd-Merry College, 1978. Behavioral Option.
- Cheryl D. Toles, of Baltimore, Md.; B.S. Eastern Michigan University, 1981. Information Technology.
- Maria Soledad Tosteson, of San Germán, Puerto Rico; B.S. University of Pennsylvania, 1980. Information Technology.
- Richard Henry Tuznik, of Millersville, Md.; B.E.E. University of Detroit, 1951. Management.
- Brian Thomas Twilley, of Cockeysville, Md.; B.S. Virginia Polytechnic Institute and State University, 1985. Management.
- David Alan Vanneman, of Baltimore, Md.; B.A. Towson State University, 1982. Management.
- Carmen Vazquez, of Baltimore, Md.; B.S. Columbia University, 1976. Management.
- Frank Vincent Venuto, of Baltimore, Md.; B.S. Towson State University, 1981. Management.
- William James Walker, of Alexandria, Va.; B.S. University of Maryland, 1972. Management.

Timothy G. Walsh, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1976. Management.

Judy Lynn Walter, of Baltimore, Md.; B.S. The Johns Hopkins University, 1984. Management.

Laura Marie Walter, of Silver Spring, Md.; B.S.N. University of Maryland at Baltimore, 1983. Management.

Eric Sherman Waterman, of Baltimore, Md.; B.A. University of Maryland, Baltimore County, 1974. Management.

David Higginson Weekes, of Baltimore, Md.; B.A. University of Virginia, 1977. Management.

Lori Stegner Weiler, of York, Pa.; B.A. Indiana University of Pennsylvania, 1980. Management.

Jane McKenzie White, of Baltimore, Md.; B.A. University of Maryland, Baltimore County, 1984. Management.

Richard Wayne Wich, of Baltimore, Md.; B.A. University of Maryland, 1971. Human Resource Development.

Kathy R. Wilcox, of Baltimore, Md.; B.S. University of Virginia, 1984. Management.

David Lester Willden, of Sykesville, Md.; B.A. Brigham Young University, 1984. Human Resource Development.

Gail Williams, of Columbia, Md.; B.S. Western Carolina University, 1984. Management.

Harold David Williams, of Baltimore, Md.; B.S. Coppin State College, 1978. Human Resource Development.

Ronald Coleman Williams, of Baltimore, Md.; B.A. University of Tampa, 1980. Human Resource Development.

Elizabeth Anne Wilson, of Baltimore, Md.; B.S. University of Delaware, 1985. Information Technology.

Debra Lee Wojciechowski, of Baltimore, Md.; B.S. University of Baltimore, 1982. Management.

Margaret Ann Wolfe, of Baltimore, Md.; B.S.N. University of Maryland, 1984. Management.

Odessa J. Woods-Mathews, of Columbia, Md.; M.S.W. Howard University, 1965. Management.

Carol Rae Woodward, of Baltimore, Md.; B.S. University of Delaware, 1980. Human Resource Development.

Edward Charles Wurmb, IV, of Davidsonville, Md.; B.S. West Virginia University, 1984. Management.

Sandra Mary Yarworth, of Baltimore, Md.; B.A. University of Maryland, Baltimore County, 1980. Management.

Retha E. Young, of Forestville, Md.; B.S. Strayer College, 1983. Information Technology.

Janice Louise Zacker, of Monkton, Md.; B.S. Towson State University, 1981. Management.

MASTERS OF ARTS IN TEACHING

in The School of Continuing Studies

Anne Elizabeth Dolber, of Towson, Md.; B.S. University of Maryland, 1984.

Grace H. Tung, of Baltimore, Md.; B.S. The Johns Hopkins University, 1986.

CERTIFICATES OF ADVANCED STUDY

in The School of Continuing Studies

Nettie Nevolia Baldwin, of Silver Spring, Md.; B.A. University of Puget Sound, 1965; M.A. George Washington University, 1978.

Marcia S. Berlin, of Columbia, Md.; B.A. State University of New York at Albany, 1969; M.S. State University of New York at Buffalo, 1972.

Barbara Brown-Cavallaro, of Fallston, Md.; B.S. Coppin State College, 1977; M.Ed. Loyola College, 1981.

Carol Anne Bucher, of Columbia, Md.; B.A. Slippery Rock College, 1970; M.Ed. The Johns Hopkins University, 1977.

Arline Marcia Buchman, of Owings Mills, Md.; B.S. The Johns Hopkins University, 1977; M.S., 1979.

Betty Thomas Freeland, of Catonsville, Md.; B.A. University of Maryland, Baltimore County, 1972; M.S. The Johns Hopkins University, 1982.

Susan Elizabeth Garber, of Laurel, Md.; B.S. University of Maryland, 1971; M.S. The Johns Hopkins University, 1978.

Marcia Lorraine Harrington, of Silver Spring, Md.; M.S. University of Pennsylvania, 1970.

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Mary Carolyn Kues, of Towson, Md.; M.S. Loyola College, 1979.

Phyllis Bonn Lamiman, of Bethesda, Md.; M.E.D. University of Maryland, 1970.

Juliana Louis, of Pasadena, Md.; M.Ed. Coppin State College, 1983.

Anita Marguerite McKnight, of York, Pa.; M.Ed. Western Maryland College, 1969.

Thomas Dixon Murray, of Jarrettsville, Md.; M.S. Towson State University, 1975.

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PROFESSIONAL STUDIES CERTIFICATE

in The Peabody Conservatory of Music

Ria Hendrati Senobroto, of Bandung, Indonesia; B.M. The Johns Hopkins University, 1985. Piano.

Ann K. Wiczorowski, of Washington, D.C.; B.M. Ohio Wesleyan University, 1952; C.F.A. Chicago Academy of Art, 1956. Voice.

MASTERS OF MUSIC

in The Peabody Conservatory of Music

James Stuart Bailey, of Baltimore, Md.; B.A. Towson State University, 1985. Voice.

Kristie Renee Born, of Pompano Beach, Fla.; B.M. The Johns Hopkins University, 1986. Piano.

John Morgan Bowen, Jr., of Baltimore, Md.; B.A. Towson State University, 1985. Composition.

Herbert Russell Buffington, of Atlanta, Ga.; B.A. Duke University, 1980. Organ.

Suzanne S. Chadwick, of Union City, Pa.; B.M. The Johns Hopkins University, 1986. Voice.

Hyeon Mi Chong, of Richmond, Va.; B.M. Catholic University of America, 1986. Piano.

Jennifer Dee Clarkston, of Valencia, Calif.; B.M. California State University, Northridge, 1985. Flute.

David DePalo, of Scarsdale, N.Y.; B.A. Hampshire College, 1984. Composition.

William Maxwell Derrickson, of Salisbury, Md.; B.M.E. James Madison University, 1985. Percussion.

Barry Briggs Dove, of Baltimore, Md.; Performer's Certificate, B.M. The Johns Hopkins University, 1986. Percussion.

Daniel Friedman, of Toronto, Ontario, Canada; Performer's Diploma, A.R.C.M. Royal College of Music, 1984; B.M. Queens University, 1986. Piano.

Kyoko Fujiwara, of Evanston, Ill.; B.M. The Johns Hopkins University, 1986. Piano.

Peter Stuart Golladay, of Moneta, Va.; B.A. Radford University, 1986. Guitar.

Therese Jean Grundl, of Los Alamos, N.Mex.; B.A. University of Connecticut, 1983. Clarinet.

Ruthanne Haefka, of Gettysburg, Pa.; B.M. Oberlin College, 1963. Organ.

Virginia Hought Hildebrand, of Severna Park, Md.; B.A. Dickinson College, 1983. Guitar.

Philip John Hosford, of Las Cruces, N.Mex.; B.M. University of Maryland, 1983. Piano.

Hsu Wenli, of Taipei, Taiwan; B.M. The Johns Hopkins University, 1987. Piano.

Mari Ito, of Nagoya, Japan; B.M. San Francisco Conservatory of Music, 1986. Piano.

Jae Kyung Kim, of Arlington, Va.; B.M. The Johns Hopkins University, 1985. Violin.

Brena C. Lever, of Encino, Calif.; B.M. Indiana University, 1986. Flute.

Leslie Anne Light, of Mechanicsburg, Pa.; B.A. Dickinson College, 1973. Music History.

Beatrice Hsin-Chen Long, of Taiwan; B.M. Curtis Institute of Music, 1986. Piano.

Rosanne Lea Malek, of Britt, Iowa; B.M.E. University of Wyoming, 1983. Music Education.

Laura Ellen McDonald, of Ripley, Tenn.; B.A. Davidson College, 1985. Piano.

- Erin Elizabeth Oberdorfer, of Roseville, Minn.; B.A. Goucher College, 1985. Music Criticism.
- Jonathan Leigh Parrish, of Lynchburg, Va.; B.M. James Madison University, 1984. Horn.
- Lou Ann Pfeil, of Houston, Texas; B.M. The Johns Hopkins University, 1986. Bassoon.
- Christopher Fredric Sengstacke, of Baltimore, Md.; B.S. Towson State University, 1980. Music Education.
- Natalie Lynne Shelpuk, of Princeton, N.J.; B.M. Westminster Choir College, 1986. Music Criticism.
- Jeffrey Alan Smith, of Levittown, Pa.; B.M. Wilkes College, 1985. Piano.
- Patricia Carmelina Sparti, of Miami, Fla.; B.M. University of Miami, 1983. Conducting.
- Lynne Steele, of Houston, Texas; B.M. University of St. Thomas, 1978. Guitar.
- Catherine Louise Thorpe, of New Paltz, N.Y.; B.M. The Johns Hopkins University, 1986. Voice.
- Deborah Ann Thurlow, of Takoma Park, Md.; B.A. Columbia Union College, 1985. Voice.
- Kimberly Ann Tomko, of Wilkes-Barre, Pa.; B.M. Wilkes College, 1985. Piano.
- Mark A. Twelhues, S.M., of Dayton, Ohio; B.M. Wright State University, 1978. Oboe.
- Deanna Len Walker-Tipps, of Portales, N.Mex.; B.M. Eastern New Mexico University, 1986. Composition.
- Celia Jane Waterhouse, of London, England; B.M. Royal Northern College of Music, 1986. Violin.
- Robin-Anne S. Woodle, of St. Petersburg, Fla.; B.M. University of Cincinnati College-Conservatory of Music, 1979. Voice.
- Jean Marie Wu, of Garden City, N.Y.; B.M. The Johns Hopkins University, 1987. Piano.
- Yoon YoungJoo, of Forest Hills, N.Y.; B.M. The Johns Hopkins University, 1986. Piano.

ARTIST DIPLOMAS

in The Peabody Conservatory of Music

Michael Hauber, of Filderstadt, Federal Republic of Germany; geprüfter Musiklehrer, Musikhochschule Stuttgart, 1984; Professional Studies Certificate, The Johns Hopkins University, 1986. Piano.

MASTERS OF SCIENCE

in The School of Hygiene and Public Health

- Ugur Camli, of Istanbul, Turkey; M.D. University of Istanbul, 1983. Environmental Health Sciences.
In Vivo Studies of Serotonin-2 Receptors with ³H-N-Metylsipiperone.
- Sharon Leigh Edelstein, of Rochester, N.Y.; B.S. Cornell University, 1983. Biostatistics.
Poisson Regression with a Surrogate X: An Analysis of the Effect of Vitamin A Supplementation on Children's Mortality.
- Karen Kress Hammerman, of Potomac, Md.; B.A. Emory University, 1983. Behavioral Sciences and Health Education.
Impact and Acceptability of Health Risk Assessments on Worksite Health Promotion.
- Frederick Kelker Hilton, Jr., of Louisville, Ky.; B.S. Indiana University, 1983. Environmental Health Sciences.
Increased Tolerance and Leg Circumference Changes during Repeated Exposure to Lower Body Negative Pressure in Man.
- Virginia Lynn Iuorno, of Rome, N.Y.; B.S. Stevens Institute of Technology, 1982. Biophysics.
Nuclear Magnetic Resonance Investigation of the Synthetic Deoxyribonucleic Acid Octamers d(AAACGTTT) and d(AAAGCTTT).
- Joan Alison McGuire, of Falls Church, Va.; B.S.N. American University, 1979. Behavioral Sciences and Health Education.
Medication Compliance, Cancer, Discharge Planning.

Lynne Elizabeth Metcalfe, of Edmonton, Canada; B.Sc. University of Alberta, 1979. Immunology and Infectious Diseases.

Heteroduplex Analysis by Electron Microscopy of Human Papillomavirus Type 6 Subtypes from Juvenile-Onset Adult-Onset Respiratory Papillomata and Condyloma Acuminata.

Constance Caldwell Moorman, of Levittown, Pa.; B.S. Pennsylvania State University, 1973. Biostatistics.

The Statistical Analysis of Matched Case-Control Studies.

Emilie Humbert Mules, of Baltimore, Md.; B.A. Goucher College, 1966. Epidemiology.

Cancer in Relatives of Leukemic Patients with Chromosomal Rearrangements at Heritable Fragile Site Locations in their Malignant Cells.

Jonathan Jay Musmand, of New York, N.Y.; B.A. The Johns Hopkins University, 1984. Health Policy and Management.

The Effects of Medical Liability Premiums on Physician Fee Levels.

Geoffrey S. Pitt, of Baltimore, Md.; B.A. Yale University, 1984. Health Policy and Management.

Variations in Methods of Technology Assessment by Third-Party Payors.

Justin Rene Walters, of Mechanicsburg, Pa.; B.A. Colgate University, 1985. Population Dynamics.

The Effects of Inhibition of Aromatase Enzyme Activity on Beagle Leydig Cell Structure and Function.

MASTERS OF HEALTH SCIENCE

in The School of Hygiene and Public Health

Michael Joseph Abele, of Holmdel, N.J.; B.A. The Johns Hopkins University, 1984. Immunology and Infectious Diseases.

Paulo Belmonte Abreu, of Porto Alegre, Brazil; M.D. Universidade Federal do Rio Grande do Sul, 1977. Mental Hygiene.

Sono Aibe, of Cliffside Park, N.J.; B.A. Harvard University, 1986. International Health.

Dianne Cole Barker, of Plymouth, Mass.; B.S. University of Rhode Island, 1979. Population Dynamics.

Michelle Elaina Bashin, of Los Angeles, Calif.; B.A. University of California, Berkeley, 1979. Population Dynamics.

Christine Onderdonk Battin, of Woodbridge, Conn.; B.A. Swarthmore College, 1986. Health Policy and Management. Health Finance and Management.

Judith Sharon Bern, of New Rochelle, N.Y.; B.A. University of Massachusetts, 1984. Health Policy and Management. Health Finance and Management.

Kathleen Bradford, of Pasadena, Md.; B.S. University of Massachusetts, 1980. Environmental Health Sciences. Industrial Hygiene and Safety Sciences.

Lisa Todd Brecker, of Woodmere, N.Y.; B.A. Duke University, 1985. Health Policy and Management. Health Finance and Management.

Anne Tudor Carver, of Washington, D.C.; B.A. University of Virginia, 1978; M.A., 1984. Maternal and Child Health.

Fednant Chizimbi, of Chitipa, Malawi; B.A. University of Malawi, 1978. International Health.

Cathleen Alice Church, of Williston Park, N.Y.; B.A. Hamilton College, 1983. Maternal and Child Health.

Deborah Cohen, of Binghamton, N.Y.; B.A. Bryn Mawr College, 1983. Biostatistics.

Cheryl Rae Combest, of Takoma Park, Md.; B.S. Lewis and Clark College, 1980. Maternal and Child Health.

Jennifer Nan Edwards, of Potomac, Md.; B.A. Brown University, 1986. Health Policy and Management. Health Finance and Management.

Ning Guo Feng, of Shanghai, China; B.M. Shanghai First Medical College, 1983. Epidemiology. Human Genetics.

Karen Anne Frisch Lehman, of Vestal, N.Y.; B.A. Wheaton College, 1986. International Health.

Virginia Yajaira Gonzalez, of Maracay, Venezuela; M.D. University of Carabobo, 1983. Immunology and Infectious Diseases.

Steven Neil Goodman, of Baltimore, Md.; B.A. Harvard University, 1976; M.D. New York University, 1981. Biostatistics.

Lori Marie Guyton, of Middletown, Md.; B.S. University of Maryland, 1985. Health Policy and Management. Health Finance and Management.

Belinda Jane Hall, of Baltimore, Md.; B.A. The Johns Hopkins University, 1986. Maternal and Child Health.

Mei Han, of Beijing, China; B.A. Nankai University, 1984. Population Dynamics.

Kathy Joan Helzlsouer, of Baltimore, Md.; B.S. St. Francis College, 1975; M.D. University of Pittsburgh, 1979. Epidemiology.

- Bennett Hibbler, of Indianola, Miss.; B.S. Mississippi Valley State University, 1977; D.V.M. Tuskegee Institute, 1981; M.P.H. The Johns Hopkins University, 1987. Environmental Health Sciences. Industrial Hygiene and Safety Sciences.
- I-Mei Hsiu, of Walnut Creek, Calif.; B.S. University of California, Berkeley, 1986. Health Policy and Management. Health Finance and Management.
- Juei-Chen Hsu, of Taipei, Taiwan, China; B.A. National Taiwan University, 1984. Health Policy and Management. Health Finance and Management.
- Suzanne Renée Janzen, of Turlock, Calif.; Sc.B. Brown University, 1984. International Health.
- Rachel Ann Kramer, of West Hartford, Conn.; B.S. Tufts University, 1985. Mental Hygiene.
- Linda Susan Lewis, of Lincoln University, Pa.; B.S.P.H. West Chester University, 1985. Epidemiology.
- Jane Ellen Konhaus Martin, of Clarksville, Md.; B.A. Dickinson College, 1970; M.Ed. Goucher College, 1972. Maternal and Child Health.
- Richard Douglas Moore, of Baltimore, Md.; B.A. University of Arkansas, 1974; M.D. Vanderbilt University, 1978. Epidemiology.
- Phyllis Ann Nagy, of Glen Burnie, Md.; B.A. University of Maryland, 1986. Health Policy and Management. Health Finance and Management.
- Sudung Nainggolan, of Jakarta, Indonesia; B.Sc. Academy of Health Controller, 1981. International Health.
- Walter Pegoli, Jr., of Randallstown, Md.; B.A. Colgate University, 1980; M.D. New York Medical College, 1984. Environmental Health Sciences.
- Mary Patricia Perkins, of San Francisco, Calif.; B.A. Vassar College, 1980. Population Dynamics.
- Nancy Dunne Peterson, of Falls Church, Va.; B.A. George Mason University, 1985. Health Policy and Management. Health Finance and Management.
- Pamela Haile Phillips, of Bethesda, Md.; B.A. Smith College, 1970. Epidemiology.
- Stacey Jill Pomerantz, of New York, N.Y.; B.A. Brandeis University, 1986. Maternal and Child Health.
- Arnold Lee Potosky, of Ellicott City, Md.; B.A. University of Virginia, 1983. Health Policy and Management. Health Finance and Management.
- Anita Pustelnik, of Chicago, Ill.; B.A. University of Illinois, 1985; B.S., 1985. Environmental Health Sciences. Industrial Hygiene and Safety Sciences.
- Andrea Therese Barishek Russiello, of West Grove, Pa.; B.A. Temple University, 1973; M.S. University of Delaware, 1977. Environmental Health Sciences. Industrial Hygiene and Safety Sciences.
- Samuel Sipias Paul Shumba, of Harare, Zimbabwe; B.Sc. University of Lagos, 1983. Population Dynamics.
- James Baker Sitrick, Jr., of Salisbury, Conn.; B.A. Brown University, 1983. International Health.
- Mark Bernard Sostrin, of Syracuse, N.Y.; B.S. Rutgers University, 1981. Biostatistics.
- Susan Connor Steinberg, of Potomac, Md.; B.S. University of Maryland, 1966; M.S., 1977. Health Policy and Management. Behavioral Sciences and Health Education.
- Dorothy E. Stephens, of Seattle, Wash.; B.A. Barnard College, 1980. Maternal and Child Health.
- Jorge Francisco Trejo Gutierrez, of Guadalajara, Mexico; B.S. Institute of Sciences, 1972; M.D. University of Guadalajara, 1980. Epidemiology.
- Farris K. Tuma, of Bethesda, Md.; B.S. Towson State University, 1986. Health Policy and Management. Health Finance and Management.
- Marie Annette Vaughan, of Wheaton, Md.; B.S. University of Maryland, 1982. Environmental Health Sciences. Radiation Health Sciences.
- Luisa Paula Wallace, of Bedminster, N.J.; B.A. The Johns Hopkins University, 1987. Population Dynamics.
- Donald Lee Weidemann, of Linthicum, Md.; B.S. Pacific Union College, 1980; M.A., 1981. Health Policy and Management. Health Finance and Management.

MASTERS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

- Lynne Ann Akerson, of Boylston, Mass.; B.A. Wellesley College, 1985.
- Akinwunmi Akinyemi, of Lagos, Nigeria; M.B.B.S. University of London, 1966.
- Wondu Alemayehu, of Addis Ababa, Ethiopia; M.D. Addis Ababa University, 1973.
- Abdikamal Ali-Salad, of Mogadishu, Somalia; M.D. Somali National University, 1979.
- Wilinda Carlson Armington, of Salt Lake City, Utah; B.S.N. Alverno College, 1974.
- Donna Rae Bacchi, of Brookeville, Md.; B.S. Cornell University, 1976; M.D. University of Cincinnati, 1981.
- Melanie Claire Bacon, of Takoma Park, Md.; B.A. American University, 1983.
- Randale Eugene Bass, of Birmingham, Ala.; B.S. Auburn University, 1979; M.D. University of South Alabama, 1983.
- Geoffrey Allen Beckett, of Brunswick, Me.; B.S. Western Michigan University, 1977.
- Helena Bedoya, of Lima, Peru; D.Med. San Marcos University, 1976.
- Robert Cyril Bollinger, Jr., of Baltimore, Md.; B.A. Haverford College, 1979; M.D. Dartmouth University, 1984.
- Mary Abbott Bolte, of Baltimore, Md.; B.S.N. University of Virginia, 1979.
- August Louis Bourgeois, of Gaithersburg, Md.; B.S. Rutgers University, 1971; Ph.D. Georgetown University, 1975.
- Betsy Brach, of Montclair, N.J.; B.S.N. Vanderbilt University, 1979; M.S.N. 1981.
- Mary Elizabeth Braddock, of Galveston, Texas; B.A. Carleton College, 1979; M.D. University of Missouri, 1984.
- Gladys Branic, of Bennettsville, S.C.; B.A. Alma College, 1968; D.S.W. University of California, Los Angeles, 1976; M.D. The Medical College of Pennsylvania, 1986.
- Michael Bray, of Bethesda, Md.; B.S. University of Oregon, 1974; M.D. Dartmouth Medical School, 1977.
- Jan Broer, of Naarden, Netherlands; DR.MED. Erasmus University, 1978.
- Sandra de Castro Buffington, of Santa Fe, N.M.; B.S. College of Santa Fe, 1981.
- Ellen Chrisje Lucia Martha Caldeira, of Paramaribo, Suriname; Drs. Utrecht University, 1979.
- Lisa A. Carty, of Sparta, N.J.; B.S.F.S. Georgetown University, 1980.
- Peter George Casten, Jr., of New Orleans, La.; B.A. University of Texas, 1977; M.D. Louisiana State University, 1983.
- HsuHsu-Mei Hsu Chen, of Taipei, Taiwan; M.S. National Taiwan University, 1970.
- Salcem Chughtai, of Lahore, Pakistan; M.B.B.S. King Edward Medical College, 1985.
- Harry Faulkner Conner, of Madison, Miss.; B.A. Princeton University, 1972; M.D. New York University, 1977.
- Patricia Lynn Constans, of Madison, Wis.; B.S.N. University of Wisconsin, Madison, 1980.
- Andrea Marie Corbett, of Wichita, Kan.; B.S.N. University of Illinois, 1985.
- Christopher H. Coulter, of Columbia, Md.; B.S. Yale University, 1974; M.D. University of Virginia, 1978.
- James B. Crucetti, of Albany, N.Y.; B.S. University of Maryland, 1978; M.D. George Washington University, 1984.
- Deborah Ann Cushing, of Baltimore, Md.; B.S.N. University of Connecticut, 1980.
- Lalit Dandona, of New Delhi, India; M.B.B.S. All India Institute of Medical Sciences, 1987.
- Francois De Caunes, of Guadeloupe, France; M.D. Medical Faculty of Toulouse, 1982.
- Robert Francis De Fraites, of New Orleans, La.; B.S. Tulane University, 1976; M.D., 1980.
- Shirin Ramani de Silva, of Washington, D.C.; B.A. Bryn Mawr College, 1979; M.D. New York Medical College, 1983.
- Ruben Frank del Prado, of Paramaribo, Suriname; M.D. University of Suriname, 1985.
- J. Greg Dent, of Jacksonville, Fla.; B.A. Carleton College, 1979; M.D. University of Florida, 1984.
- Ann Duerr, of Cambridge, Mass.; B.Sc. McGill University, 1974; Ph.D. Massachusetts Institute of Technology, 1981; M.D. Harvard University, 1985.
- Marsha Lynn Dupar, of Seattle, Wash.; B.S.N. University of Washington, 1974; M.S.N. Columbia University, 1980.
- Clare Alane Dykewicz, of Flint, Mich.; B.A. Wellesley College, 1978; M.D. Michigan State University, 1982.
- Jeffrey L. Edwards, of Baltimore, Md.; B.S. Texas A&M University, 1977; D.V.M., 1979.
- Edward Frederick Ellerbeck, of Mission, Kan.; B.A. University of Missouri, Kansas City, 1979; M.D., 1982.

- Kathryn Anne Kline Ellerbeck, of Roeland Park, Kan.; B.A. University of Missouri, Kansas City, 1982; M.D. 1982.
- Paul Campbell Erwin, of Albertville, Ala.; B.S. University of the South, 1979; M.D. University of Alabama, 1983.
- Caren Euster, of Glen Arm, Md.; B.S. Syracuse University, 1976; M.D. Hahnemann University, 1984.
- Jeannette Marie Ezzo, of N. Canton, Ohio; B.A. Walsh College, 1979.
- Fariba Faghih, of Tehran, Iran; B.S. The Johns Hopkins University, 1981.
- Samar Farha, of Merjeoun, Lebanon; B.S. American University of Beirut, 1983; M.D., 1987.
- Abu Syed Golam Faruque, of Dhaka, Bangladesh; M.B.B.S. Rajshahi Medical College, 1973.
- Susan M. Feeley, of Providence, R.I.; B.S. University of Rhode Island, 1978.
- Margarita Figueroa, of Maunabo, Puerto Rico; B.A. University of Puerto Rico, 1976; M.D. University of Zaragoza, 1985.
- Fariyal Fikree, of Karachi, Pakistan; M.D. Shiraz University, 1980.
- Christine Ann Finley, of Burlington, Vt.; B.S.N. Niagara University, 1980; M.S.N. Syracuse University, 1984.
- Kathleen Fox, of New York, N.Y.; B.S. City College of New York, 1983.
- Monika Eleanor Frantz, of Columbia, Md.; B.S. University of California, Berkeley, 1978.
- Janet Aileen Froeschle, of Madera, Calif.; B.S.N. Loma Linda University, 1979.
- Leslie Garrison, of Staten Island, N.Y.; B.S. The City College of New York, 1979; M.D. State University of New York at Stony Brook, 1981.
- Elyahu Eli Gazala, of Baltimore, Md.; M.D. Hebrew University, 1980.
- Allan Charles Gelber, of Toronto, Canada; B.A. Tufts University, 1984.
- Kenneth Alan Gershman, of Milton, Mass.; B.A. University of Rochester, 1978; M.D., 1982.
- Klaus Giersiepen, of Bremen, Federal Republic of Germany; M.D. Johann Wolfgang Goethe University, 1982.
- Adejandro A. Giraldo-Rios, of Monteria, Colombia; M.D. Universidad Nacional de Colombia, 1973.
- Charles Harmon Gleaton, of Columbia, S.C.; B.S. University of South Carolina, 1974; B.H.S. Duke University, 1979; M.D. University of South Carolina, 1984.
- Randolph Lee Gordon, of Richmond, Va.; B.A. University of Virginia, 1980; M.D. Medical College of Virginia, 1984.
- Mark Grabowsky, of Arlington, Va.; B.A. Washington & Lee University, 1978; M.D. Medical College of Virginia, 1986.
- Marsha Olivia Guilford, of Boston, Mass.; B.S. Northeastern University, 1974; M.S. Howard University, 1976; M.D., 1986.
- Mary Owenga Gwayi-Chore, of Nairobi, Kenya; M.B.Ch.B. University of Nairobi, 1977; M.Med., 1983.
- Ghayas Habach, of Damascus, Syria; M.D. Damascus University, 1985.
- John Alan Hansen, of Lincoln, Nebr.; B.A. University of Nebraska, 1974; M.D., 1979.
- Noreen Rahat Hashmi, of Baltimore, Md.; M.B.B.S. Khyber Medical College, 1980.
- Kim Allen Heithoff, of Washington, D.C.; B.S. Viterbo College, 1977; M.Ed. University of Missouri, 1980.
- Myriam Hekens, of Welkenraedt, Belgium; M.D. University of Liege, 1981.
- Nyaint Myoo Hlaing, of Rangoon, Burma; B.S. George Washington University, 1987.
- Cristina Ho, of McLean, Va.; M.D. University of Sao Paulo, 1985.
- Andrew Holmes, of Wellington, New Zealand; M.B.Ch.B. University of Otago, 1982.
- Kiyomi Horiuchi, of Ehime, Japan; B.A. Tsuda College, 1978.
- Jerry Hunter, of Columbia, Md.; B.A. University of Texas, 1960; M.A. Catholic University of America, 1970.
- Leopold Gilbert Janseggers, of Lasne, Belgium; D.T.M. Lovanium University, 1970; M.D. Catholic University Leuven, 1971.
- Jeffrey Paul Kahn, of Woodland Hills, Calif.; B.S. University of California, Los Angeles, 1983.
- Susan Jo Kalia, of Schenectady, N.Y.; B.A. University of Michigan, 1972; M.D. Wayne State University, 1979.
- Kelly James Kelleher, of Alliance, Ohio; B.S. Ohio State University, 1980; M.D., 1984.
- Philippe G. Kestelyn, of Ghent, Belgium; M.D. State University of Ghent, 1975.
- Abdul Wadud Khan, of Dhaka, Bangladesh; M.B.B.S. Chittagonj Medical College, 1973.
- Richard J. Klein, of Annapolis, Md.; B.A. University of Maryland, 1970.
- Heli-Tuulie Jeannette Koivumaa-Honkanen, of Kuopio, Finland; M.D. University of Kuopio, 1984.
- Joachim Victor Kreysler, of Munich, West Germany; DR.MED. University of Munich, 1964.
- Keith Vernon Kuhlemeier, of Columbia, Md.; B.S. Iowa State University, 1964; M.S. 1966; Ph.D. University of Minnesota, 1972.
- Richard Mark Lachiver, of White Plains, N.Y.; B.A. Concordia College, 1980; M.D. New York Medical College, 1984.
- Shamboo Prasad Lakhey, of Birganj, Nepal; M.B.B.S. University of Calcutta, 1964.

- Jeanne Lang, of Wheaton, Md.; B.S.N. State University of New York at Brockport, 1981.
- Lisa Ann Lee, of Rockville, Md.; V.M.D. University of Pennsylvania, 1986.
- Elli Leontsini, of Athens, Greece; M.D. National University of Athens, 1983.
- David Ramon Bucad Lim, of Makati, Philippines; B.S. University of Santo Tomas, 1980; M.D., 1984.
- June-Seng Lin, of Taipei, Taiwan; M.D. Taipei Medical College, 1983.
- Michael William Lischak, of Syracuse, N.Y.; B.S. United States Air Force Academy, 1975; M.A. Chapman College, 1979; M.D. Uniformed Services University of the Health Sciences, 1981.
- Burden Susan Lundgren, of Norfolk, Va.; B.A. Nazareth College of Rochester, 1971.
- Dale Ellen Lupu, of Silver Spring, Md.; B.A. Harvard University, Radcliffe College, 1978.
- Jesse Walter Majkowski, of Fulton, Md.; B.S. Drexel University, 1970; M.S. University of Maryland, 1972.
- Baruch Marganitt, of Tel Aviv, Israel; M.D. Tel Aviv University, 1978.
- James Francis Martone, of Thomaston, Conn.; B.A. Providence College, 1971; M.D. Albert Einstein College of Medicine, 1978.
- Christine Mauck, of Dayton, Ohio; B.S. Wright State University, 1977; M.D. University of Michigan, 1981.
- Justin Charles McArthur, of Baltimore, Md.; M.B.B.S. University of London, 1979.
- Stephen VanHooser McCrary, of Murfreesboro, Tenn.; B.A. Vanderbilt University, 1979; J.D. University of Tennessee, 1982.
- Brian Wayne McCrindle, of Edmonton, Canada; M.D. University of Alberta, 1982.
- Margaret McDonald, of Washington, D.C.; B.A. Trinity College, 1974; M.A. University of Massachusetts, 1978.
- Hugh West McKinnon, of Hattiesburg, Miss.; B.A. Millsaps College, 1973; M.D. University of Virginia, 1977.
- Jane Anne Mehargue, of Gaithersburg, Md.; B.S. Shippensburg University, 1967; M.A. George Washington University, 1977.
- Deborah Jean Miller, of Baltimore, Md.; B.S.N. University of Maryland, 1981; B.A., 1986.
- Christopher-Paul Milne, of Ft. Washington, Md.; B.A. Fordham University, 1974; D.V.M. Universidad Nacional Pedro Henriquez Ureña, 1982.
- Maureen Evelyn Molloy, of Ashland, Mass.; B.S. University of New Hampshire, 1981.
- Leslie Yarborough Morgan, of Shreveport, La.; B.A. Colby College, 1978; M.D. Louisiana State University, 1982; M.T.S. Harvard Divinity School, 1984.
- Cynthia Lee Morin, of Los Osos, Calif.; B.A. University of California, Los Angeles, 1978.
- Christiaan Berend Morssink, of Baltimore, Md.; Drs. University of Amsterdam, 1976.
- Alvin Whitney Mottley, of Silver Spring, Md.; B.A. Andrews University, 1969; D.D.S. Howard University, 1980.
- Juma A. Muchi, of Zanzibar, Tanzania; M.D. Kuban Medical Institute, 1975.
- Therese Nduku Mulandi, of Nairobi, Kenya; M.B.Ch.B. University of Nairobi, 1978; M.Med., 1986.
- Margaret Schwartz of Mullins, of Silver Spring, Md.; B.S. Saint Joseph's College, 1985.
- Kam Suan Mung, of Tedim, Burma; M.B.B.S. Institute of Medicine Rangoon, 1979.
- Indrani Nagpaul, of New Delhi, India; M.B.B.S. Delhi University, 1985.
- William E. Narrow, of Mt. Bethel, Pa.; B.A. Boston University, 1979; M.D. Temple University, 1983.
- Kathryn Helen Nepote, of Middlebush, N.J.; B.S. Rutgers University, 1969; V.M.D. University of Pennsylvania, 1973.
- Robert Alexander Nichols, of La Jolla, Calif.; A.B. University of Pennsylvania, 1956; M.D. Jefferson Medical College, 1960.
- Makase Nyaphisi, of Mokhotlong, Lesotho; M.D. Martin-Luther-Universität, 1981.
- Tara O'Toole, of Baltimore, Md.; B.A. Vassar College, 1974; M.D. George Washington University, 1981.
- Chito B. Obowu, of Lagos, Nigeria; M.B.B.Ch. University of Nigeria, 1977.
- Florence Ayetonga Oryem-Ebanyat, of Mbale, Uganda; M.B.Ch.B. Makerere University, 1975.
- Robert Allison Pendergrast, Jr., of Jackson, Miss.; B.A. Furman University, 1979; M.D. Medical College of Georgia, 1983.
- Oswaldo L.T. Pereira, of Ponta Grossa, Brazil; M.D. Evangelic Medical School, 1978.
- Cheryl Anne Pfeiffer, of Baltimore, Md.; B.S. Radford University, 1982.
- Sohail Mustafa Qarni, of Baltimore, Md.; M.D. University of Karachi, 1978.
- Robert Darrell Ragland, of Fairfax, Va.; B.S. University of Kentucky, 1967; D.V.M. Auburn University, 1971.
- Linda Clare Ramatowski, of St. Louis, Mo.; B.S.N. Maryville College, 1984.
- Angel Salvador Ramos, Jr., of Los Angeles, Calif.; D.V.M. University of the Philippines, 1965; M.Sc. University of Guelph, 1972; Ph.D. Texas A&M University, 1975.

- Mark Henry Reacher, of London, England; M.B.B.S. University of London, 1976.
- José Gabriel Rigau-Pérez, of San Juan, Puerto Rico; B.S. University of Puerto Rico, 1971; M.D. Harvard University, 1975.
- Louis Bennet Ringe, of Boston, Mass.; B.A. State University of New York at Albany, 1971; M.S. University of Oregon, 1974; Ph.D. Illinois Institute of Technology, 1981.
- Isabel Rodrigues, of Montreal, Canada; M.D. University of Montreal, 1983.
- Nancy Florine Rogers, of Baltimore, Md.; B.S. Cornell University, 1978; M.S. University of Maryland, 1985.
- Karla Ruhe Roskos, of Bowie, Md.; B.S.N. University of Maryland, 1968.
- Marcia Gail Rubardt, of Seattle, Wash.; B.S.N. University of Washington, 1977.
- Gitta Salanga, of Philadelphia, Pa.; B.A. Temple University, 1976; V.M.D. University of Pennsylvania, 1983.
- Lois Ann Schaefer, of Fairfax, Va.; B.S.N. University of Virginia, 1977.
- Dirk Schroeder, of Los Altos, Calif.; B.A. Stanford University, 1984.
- Valerie Jeanne Schwoebel, of Paris, France; M.D. Faculty of Medicine Cochin, 1981.
- Kimberly Sue Seechuk, of Baltimore, Md.; B.S. Towson State University, 1978.
- Rekha K. Sharma, of Arlington, Va.; B.S. George Washington University, 1980; M.D. King George's Medical College, 1985.
- Saher Wasfi Shuqaidef, of Jenin, Jordan; M.B.B.S. University of Jordan, 1981.
- Herbert Egbertus Sondorp, of Amsterdam, Netherlands; M.D. Free University, 1979.
- John Given Spangler, of Greensboro, N.C.; B.A. Davidson College, 1982; M.D. University of North Carolina, 1986.
- Anna Marie Stevens-Kestelyn, of Ghent, Belgium; M.D. State University of Ghent, 1979.
- Elaine Marie Stouffer, of Fallston, Md.; B.S. College of Notre Dame, 1987.
- Andrew Szocka, of Merrillville, Ind.; B.S. Indiana State University, 1984.
- Mary Beth Takach, of Fairfax, Va.; B.S.N. Northeastern University, 1983.
- Gaurang K. Thaker, of North Bergen, N.J.; B.S. Gujarat University, 1977; M.D. American University of the Caribbean, 1982.
- War War Thi, of Lutherville, Md.; M.B., B.S. Institute of Medicine, 1982.
- Walter Hai-Tze Tsou, of Philadelphia, Pa.; B.A. University of Pennsylvania, 1974; M.D., 1978.
- Fang Wang, of Beijing, China; M.D. Beijing Medical University, 1982.
- Walter Ralph Weiss, of Bethesda, Md.; B.A. Harvard University, 1974; M.D., 1978.
- Thomas Fredrick Wierzba, of Chicago, Ill.; B.A. Southern Illinois University, 1977; M.S., 1979.
- Peter John Winch, of Toronto, Canada; B.Sc. McMaster University, 1981; M.D. Queen's University, 1985.
- Marilyn Pangwan Wong, of Berkeley, Calif.; B.S. University of California, San Francisco, 1984; M.D., 1986.
- Hui-Lin Wu, of Taipei, Taiwan; B.S. Soochow University, 1984; M.S. National Taiwan University, 1986.
- Grace Solimando Zaczek, of Elkton, Md.; B.S. Columbia University, 1970.
- Namvar Zohoori, of Montego Bay Jamaica; B.Sc. University of the West Indies, 1978; M.B., B.S. 1982.

MASTERS OF INTERNATIONAL PUBLIC POLICY

in The School of Advanced International Studies

- Susan R. Abbasi, of Bethesda, Md.; B.A. University of Minnesota, 1962.
- Abdul Aziz Al-Zariqah, of Sana'a, Yemen Arab Republic; B.A. Baghdad University, 1977.
- William Bruce App, of Arlington, Va.; B.S. Pennsylvania State University, 1974; M.B.A. Temple University, 1978.
- Min-Chung Chen, of Taipei, Taiwan, China; B.S. Chung Hsing University, 1970.
- Dong-Geon Choi, of Daegu, Korea; B.A. Seoul National University, 1974.
- Miguel Angel Cuneo, of Buenos Aires, Argentina; Law degree University of Buenos Aires, 1970.
- Janet L. Dewar, of Washington, D.C.; B.A. Drew University, 1971.
- Kevin P. Dowling, of Dublin, Ireland; B.A. University College Dublin, 1976; M.A., 1977.
- Michael Edward Duffy, of Springfield, Va.; B.A. Holy Cross College, 1971; M.A. Naval Post Graduate School, 1983.
- David Lee Guthrie, of Arlington, Va.; B.Sc. Ohio State University, 1971; M.Sc. University of Michigan, 1972.

- Linda Jewell, of Little Rock, Ark.; B.A. Yale College, 1975.
- Jipei Jiang, of Beijing, China; B.A. Beijing Second Foreign Language Institute, 1977.
- Yosuke Kawakami, of Washington, D.C.; B.S.E.E. University of Tokyo, 1983.
- Francis A. Kornegay, Jr., of Washington, D.C.; B.A. University of Michigan, 1966; M.A. Howard University, 1969.
- Min-Woong Kwon, of Seoul, Korea; B.A. Seoul National University, 1968.
- Elena Lazar, of Bethesda, Md.; Diploma University of Bucharest, 1967.
- Tae-Sik Lee, of Washington, D.C.; B.A. Seoul National University, 1971.
- Jianzhong Li, of Beijing, China; Diploma Beijing Foreign Languages Institute, 1973.
- David S. McKenzie, of New Westminster, B.C., Canada; B.Th. Northwest Baptist Theological College, 1973; M.S. National College of Education, 1982.
- Lawrence Bruce Morton, of St. Paul, Minn.; B.S. United States Air Force Academy, 1978.
- Maureen H. Norton, of Alexandria, Va.; B.A. University of Wisconsin, 1968; M.A. Georgetown University, 1970.
- U Kyaw Zaw Nyunt, of Rangoon, Burma; B.A. University of Rangoon, 1964.
- Fernando E. Petrella, of Washington, D.C.; Law degree National University of Buenos Aires, 1964.
- Sihasak Phuangketkeow, of Bangkok, Thailand; B.A. Chulalongkorn University, 1979.
- Denise A. Rollins, of Washington, D.C.; B.A. Howard University, 1986.
- Jacqueline Carole Rose, of Washington, D.C.; B.A. University of Oklahoma, 1978.
- Rafael Ruiz, of Santurce, Puerto Rico; B.A. University of Puerto Rico, 1959; M.A. Georgetown University, 1965.
- Kamal H. Shukri, of Washington, D.C.; B.Sc. University of Petroleum and Minerals, Dahrán, 1978.
- Alonzo Sibert, of Washington, D.C.; B.A. Howard University, 1968; M.B.A. New York University, 1971; J.D. Georgetown University, 1978; L.L.M., 1983.
- Terrence D. Straub, of Washington, D.C.; B.S. Indiana University, 1969.
- Taclan Suerdem, of Springfield, Va.; Diploma Ankara University, 1971.
- Hironaka Takada, of Tokyo, Japan; B.A. Keio University, 1983.
- Tang Huai Guang, of Beijing, China; Diploma Beijing Foreign Language Institute, 1973.
- Eric G. Toumayan, of Washington, D.C.; B.A. University of Pennsylvania, 1974; M.L.A., 1976.
- U Than Tun, of Rangoon, Burma; B.A. Rangoon University, 1968.
- Gisela von Muhlenbrock, of Falls Church, Va.; B.A. Catholic University of Chile, 1973.
- Ronald James Wall, of Washington, D.C.; B.A. University of British Columbia, 1976; M.A. University of Toronto, 1977.
- Stephen J. Warren, of Roanoke, Va.; B.A. Virginia Polytechnic Institute and State University, 1971; M.A., 1975.
- Michael C. Wells, of Bethesda, Md.; B.S. University of Cincinnati, 1974.
- Bernice Williams, of Ft. Washington, Md.; B.A. Miles College, 1973.
- Seiji Yajima, of Yokohama, Japan; B.A. University of Kyoto, 1971.
- Munenori Yamada, of Osaka, Japan; Bachelor of Law University of Kyoto, 1981.

MASTERS OF ARTS IN INTERNATIONAL AFFAIRS

in The School of Advanced International Studies

- Francisco Maria Castiglioni, of Buenos Aires, Argentina; Laurea University of Rome, 1981.
- Fauri Francesca Angela Maria, of Verona, Italy; Laurea University of Florence, 1986.
- Kandziora, Ewald Georg, of Munich, Federal Republic of Germany; Mag. University of Munich, 1986.
- Oliver Macfarlane, of Duffield, U.K.; B.A. University of Warwick, 1985.
- Oriol Nello, of Barcelona, Spain; Licenciado Autonomous University of Barcelona, 1981.
- Michael Schipperges, of Bonn, Federal Republic of Germany; Diploma Free University of Berlin, 1985.
- Trevor Martin Tanchel, of Johannesburg, South Africa; Laurea University of Bologna, 1986.

MASTERS OF ARTS

in The School of Advanced International Studies

- Pal Aasmundrud, of Grebbestad, Sweden; B.Sc. London School of Economics, 1986.
- Hedayat Abdel Nabi Moh. Ibrahim Abd Rab el Nabi, of Cairo, Egypt; B.A. American University of Cairo, 1971; M.A. Fletcher School of Law and Diplomacy, Tufts University, 1976.
- Monica Irene Adler, of Chicago, Ill.; B.A. University of Pennsylvania, 1985.
- Erkki Edward Adourian, of Moorestown, N.J.; B.A. Dickinson College, 1985.
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- Juan Antonio Blazquez Ancin, of San Sebastian, Spain; B.A. Mercyhurst College, 1986.
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- David L. Brickman, of Columbia, Md.; B.A. University of Maryland, 1985.
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- Jenifer Casalvieri, of St. Petersburg, Fla.; B.B.A. Emory University, 1982.

- Valerie Jumae Chang, of Greensburg, Pa.; B.A. Yale University, 1984.
- Stephanie Suzanne Chaufournier, of Potomac, Md.; B.A. Denison University, 1985.
- Mary Julia Child, of Washington, D.C.; B.A. College of St. Catherine, 1981.
- Carla J. Chissell, of Hartford, Conn.; B.S. University of Pennsylvania, 1984.
- Anne Clarac, of Elancourt, France; M.A. Pantheon Sorbonne, 1985.
- Magali D. Cobbaert, of Oostende, Belgium; Licence Katholieke Universiteit Leuven, 1986.
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- Marcus Campbell Corbin, of Durham, N.C.; B.A. Princeton University, 1984.
- Thierry Cota, Mareil-Marly, France; Diploma Institut d'Etudes Politiques de Paris; Licence Universite Paris X Nanterre, 1986.
- John Watson Creighton, III, of Bellevue, Wash.; B.A. The Johns Hopkins University, 1987.
- Kathleen A. Cruickshank, of Alexandria, Va.; B.S. Syracuse University, 1978.
- Alison Leigh Davis, of Deerfield, Ill.; B.A. Wheaton College, 1982.
- Rachel Ann de la Vega, of LaJolla, Calif.; B.A. University of California, Davis, 1985.
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- Emily Ann Rau, of Clayton, Mo.; B.A. Lake Erie College, 1979; M.A. St. Louis University, 1981.
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- Stephen William Thompson, of Enid, Okla.; B.A. Cornell College, 1980.
- E. Taryn Toro-Agee, of New Britain, Conn.; B.A. Central Connecticut State University, 1982.
- Diana Gail Turecek, of Arlington, Va.; B.A. Hartwick College, 1985.
- Elliot Uchitelle, of St. Louis, Mo.; B.A. Haverford College, 1984.
- Ekaterina Alexander Uzlyan, of Silver Spring, Md.; B.A. The Johns Hopkins University, 1987.
- Hale C. VanKoughnett, of LaGrange, Ill.; B.A. St. Lawrence University, 1985.
- Christoph Harald Vavrik, of Wien, Austria; M.A. Wirtschaftsuniv. Wien, 1984.
- Pamela Sue Viglielmo, of New York, N.Y.; B.A. Union College, 1982.
- Michelle Veronica Walsh, of Phoenix, Ariz.; B.A. Occidental College, 1984.
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- Jennifer Darrow Watson, of Charlotte, N.C.; B.A. University of North Carolina at Chapel Hill, 1982; M.A. University of Toronto, 1986.
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- Diana Elizabeth Wood, of Washington, D.C.; B.A. Scripps College, 1969.
- Eleanor L. Wright, of Takoma Park, Md.; B.A. Swarthmore College, 1983.
- Andrew P. Wylegala, of Kenmore, N.Y.; B.A. Cornell University, 1983.
- Brian Paul Wynne, of Vestal, N.Y.; B.A. University of Scranton, 1980.
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- Dagnia Z. Zeidlickis, of Pleasantville, N.Y.; The Johns Hopkins University, 1987.
- Christian Ziegler, of Wien, Austria; Mag.rer.soc.oec. Wirtschaftsuniv. Wien, 1985.

MASTERS OF ARTS

in The School of Medicine

- David Joseph Hansen, of Madison, Wis.; B.S. University of Wisconsin, 1981; M.S., 1986. Medical and Biological Illustration.
A Computer Assisted Reconstruction of a Laryngeal Model for Surgeons.
- Daniel Walter Herbert, of Stewartstown, Pa.; B.S. Messiah College, 1985. Medical and Biological Illustration.
The Topographical Anatomy of the Sea Otter Enhydra lutris.
- Jacquelynn O'Kelley, of Baltimore, Md.; B.F.A. University of Georgia, 1986. Medical and Biological Illustration.
The Surgical Anatomy of the Sternal Blood Supply as Related to Complications of Coronary Bypass Surgery.
- Juliann Marie Paolicchi, of Big Rapids, Mich.; B.A. Harvard University, 1981. Neuroscience.
Retroviral Vectors: A Means to Study Viral Infections and Neuronal Transformation.
- John Marc Peckham, of Tifton, Ga.; B.F.A. University of Georgia, 1986. Medical and Biological Illustration.
Acquisition of Curvatures of the Notochord and Vertebral Column in the Human Embryo.
- Julie Cohn Rosenfeld, of Baltimore, Md.; B.A. Wellesley College, 1978. Cell Biology and Anatomy.
Purification and Biochemical Analysis of Rat Liver Nuclear Lamins.
- David Jeremy Simon, of Sylvania, Ohio; B.A. Northwestern University, 1985. Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry.
Isolation of cDNA for Vinculin and Characterization of its mRNA.
- Carolyn Szafran, of Greenbelt, Md.; B.F.A. Pratt Institute of Art, 1985. Medical and Biological Illustration.
A C.T. Scan Atlas of the Nasal Cavity and Paranasal Sinus Anatomy.
- Philip Kevin Wilson, of Wichita, Kan.; B.G.S. University of Kansas, 1983. History of Medicine.
"Out of Sight, Out of Mind?": The Daniel Turner-James Blondel Debate Over Maternal Impressions.
- Mary Thomas Zeigler, of Baltimore, Md.; B.A. College of Wooster, 1980. Medical and Biological Illustration.
Anatomical Relationship Between the Lower Thoracolumbar Sympathetic Chain and the Spinal Cord of the Rat.

MASTERS OF CHEMICAL ENGINEERING

in The G.W.C. Whiting School of Engineering

- Charles Alvin Bass, of Joppa, Md.; B.S. University of California, Los Angeles, 1980.

MASTERS OF CIVIL ENGINEERING

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MASTERS OF MECHANICAL ENGINEERING

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- Jerome Michael Pender, of Columbia, Md.; B.S. United States Air Force Academy, 1985. Computer Science.
- John Edward Penn, of Sykesville, Md.; B.E.E. Georgia Institute of Technology, 1980. Computer Science.
- Lee Barker Peters, of Laurel, Md.; B.S. Bucknell University, 1979. Computer Science.
- Robert William Peters, of Baltimore, Md.; B.S. University of Maryland, 1983. Computer Science.
- Elizabeth J. Peterson, of Columbia, Md.; B.S. Bowie State College, 1986. Computer Science.
- Rosalyn Tuyet Pham, of Kensington, Md.; B.S. University of Maryland, 1982. Computer Science.
- Tri Luu Pham, of Rockville, Md.; B.S. The Johns Hopkins University, 1986. Electrical Engineering.
- John Piorkowski, of Jessup, Md.; B.S. Pennsylvania State University, 1985. Electrical Engineering.
- Robert Farley Pohl, of Sykesville, Md.; B.S. Loyola College, 1978. Electrical Engineering.
- Richard T. Pokryfka, of Laurel, Md.; M.A. University of Pittsburgh, 1973; Ph.D., 1975. Computer Science.
- Pamela Labee Powell, of Columbia, Md.; B.S. Virginia Polytechnic Institute and State University, 1982. Computer Science.
- Gerald Louis Pretti, of Arlington, Va.; B.S. United States Military Academy, 1979. Computer Science.
- Alan J. Raichel, of Pasadena, Md.; B.S. University of Wisconsin, 1984. Computer Science.
- Jose Baens Ramirez, of Silver Spring, Md.; B.S. George Washington University, 1980; M.S., 1984. Electrical Engineering.

- Mehdi Raoufi, of Columbia, S.C.; M.S. Texas Agricultural and Industrial University, 1976. Computer Science.
- Dawn E.S. Raszewski, of Annapolis, Md.; B.S. Frostburg State University, 1978. Computer Science.
- Jeffrey Raymond Reihl, of Germantown, Md.; B.S. Central Michigan University, 1984. Computer Science.
- Alan Dennis Reth, of Catonsville, Md.; B.S. The Johns Hopkins University, 1984. Electrical Engineering.
- Michael Anthony Retzbach, of Silver Spring, Md.; B.S. University of Maryland, 1982. Electrical Engineering.
- Robert Allen Rice, of York, Pa.; B.S. Pennsylvania State University, 1980. Electrical Engineering.
- John David Richards, of Columbia, Md.; B.S. Cornell University, 1983. Electrical Engineering.
- Christine Ann Rick, of Glen Burnie, Md.; B.S. University of Iowa, 1984. Computer Science.
- Robert Paul Ring, of Gaithersburg, Md.; B.S. The Citadel, 1983. Computer Science.
- Norman Rioux, of Seabrook, Md.; B.E.E. Catholic University of America, 1984. Electrical Engineering.
- Thomas Karl Ritterhoff, of Towson, Md.; B.S. Lafayette College, 1982. Electrical Engineering.
- Edward Alan Roache, of Burtonsville, Md.; B.A. University of Maryland, 1981. Computer Science.
- John Thomas Roberts, of Laurel, Md.; B.A. Appalachian Bible College, 1979. Computer Science.
- Daniel John Roche, of Columbia, Md.; B.S. Central Michigan University, 1985. Computer Science.
- Blane Edward Rockafellow, of Bowie, Md.; B.S. Central Michigan University, 1979. Computer Science.
- Barbara S. Rodkey, of Millersville, Md.; B.S. Towson State University, 1980. Computer Science.
- Michael William Rogers, of Gambrills, Md.; B.S. University of Akron, 1972. Technical Management.
- Randall Mark Rohrer, of Columbia, Md.; B.S. Pennsylvania State University, 1983. Computer Science.
- Frank Anthony Romanoski, of Annapolis, Md.; M.A. Central Michigan University, 1982. Technical Management.
- Frederick D. Rosberry, of Rockville, Md.; B.S. Pennsylvania State University, 1982. Computer Science.
- Gary Alan Rosen, of Burtonsville, Md.; B.S. University of Maryland, 1982. Electrical Engineering.
- James F. Ross, of Gaithersburg, Md.; B.S. Worcester Polytechnic Institute, 1984. Electrical Engineering.
- Steven Charles Roth, of Frederick, Md.; B.S. Stevens Institute of Technology, 1970; M.S. Carnegie-Mellon University, 1972. Computer Science.
- John Ross Rottier, of Highland, Md.; B.S. Virginia Polytechnic Institute and State University, 1977. Numerical Science.
- Jay Frederick Roulette, of Columbia, Md.; B.S. Virginia Polytechnic Institute and State University, 1983. Electrical Engineering.
- John Benjamin Rowe, of Columbia, Md.; B.S. Tennessee Technological University, 1981. Electrical Engineering.
- David A. Rowse, of Baltimore, Md.; B.S. Georgia Institute of Technology, 1980. Computer Science.
- Donna Lynn Ruginski, of Burtonsville, Md.; B.S. Towson State University, 1980. Computer Science.
- David A. Sadler, of Silver Spring, Md.; B.S. University of Utah, 1973; M.S. Naval Postgraduate School, 1979. Computer Science.
- Mike Labib Salib, of Millersville, Md.; B.S. Ein Shams University, Egypt, 1972. Electrical Engineering.
- Michael J. Salonish, of Laurel, Md.; B.S. Fairleigh Dickinson University, 1984. Electrical Engineering.
- Michael Saltzman, of Columbia, Md.; B.S. University of Rhode Island, 1967; M.S. American University, 1974. Computer Science.
- David Lloyd Schantz, Jr., of Elkridge, Md.; B.S. Lehigh University, 1981. Electrical Engineering.
- John Patrick Schaub, of Columbia, Md.; B.S. Marquette University, 1985. Computer Science.
- Margaret Ann Hunt Schenk, of Ellicott City, Md.; B.S. University of Maryland, 1982. Computer Science.
- Joseph Paul Schimminger, of Bel Air, Md.; B.S. Rensselaer Polytechnic Institute, 1974. Computer Science.
- Brian David Schmidt, of Arlington, Va.; B.S. University of Wisconsin, 1979; M.S., 1981. Computer Science.
- Steve Seran Schotz, of Silver Spring, Md.; B.S. University of Wisconsin, 1977; M.S. Pennsylvania State University, 1979. Computer Science.
- Sharon Gail Schreiber, of Columbia, Md.; B.A. University of Maryland, 1979. Computer Science.
- Richard A. Schrenker, of Baltimore, Md.; B.S. The Johns Hopkins University, 1978. Electrical Engineering.
- James Robert Schuh, of Baltimore, Md.; B.S. Marquette University, 1983. Electrical Engineering.
- Lawrence R. Schuler, of Annapolis, Md.; B.S. Point Park College, 1984. Computer Science.
- Karl Robert Schuster, of Catonsville, Md.; B.S. University of West Florida, 1984. Computer Science.
- Michael Louis Sciarrotta, of Falls Church, Va.; B.S. Drexel University, 1982. Electrical Engineering.
- Bill George Scoulos, of Hanover, Md.; B.S. University of Pittsburgh, 1981. Computer Science.
- Richard Dennis Seifert, of Catonsville, Md.; B.S. Pennsylvania State University, 1982. Computer Science.
- Bruce E. Shapiro, of Crofton, Md.; B.S. University of Maryland, 1978; M.S. Cornell University, 1980. Computer Science.

- Barbara A. Shapter, of Columbia, Md.; M.A. University of Maryland, 1979. Computer Science.
- Dennis Dale Sharp, of Columbia, Md.; B.A. University of Maine, 1983. Computer Science.
- Ying-Tsair David Shee, of Derwood, Md.; B.S. Tging-Hua University, 1975; M.S. University of Kentucky, 1981. Computer Science.
- Gary Dale Shiflett, of Burtonsville, Md.; B.S. University of Virginia, 1983. Electrical Engineering.
- Jon Lloyd Shoemaker, of Elkridge, Md.; B.A. University of Tennessee, 1984. Computer Science.
- Shelton Mann Shugar, of Columbia, Md. Computer Science.
- Karen Pienkowski Silk, of Columbia, Md.; B.S. University of Pittsburgh, 1981. Computer Science.
- James M. Simko, of Glen Burnie, Md.; B.S. University of Maryland, 1978. Technical Management.
- Robert Winfred Simmons, of Laurel, Md.; B.S. Towson State University, 1983. Computer Science.
- Pakman Hamish Siu, of Columbia, Md.; B.S. Kansas State University, 1984; M.S., 1985. Computer Science.
- Joseph P. Sluchak, of Odenton, Md.; B.S.E. University of Michigan, 1983. Electrical Engineering.
- Pamela Davis Smalls, of Olney, Md.; B.S. Tuskegee Institute, 1983. Computer Science.
- Patrick Douglas Smit, of College Park, Md.; B.S. Rhodes University, 1977. Computer Science.
- Catherine Jeanne Smith, of Gaithersburg, Md.; B.S. University of Maryland, 1979. Computer Science.
- Douglas W. Smith, of Elkridge, Md.; B.S. Pennsylvania State University, 1983. Computer Science.
- Gregory Eugene Smith, of Baltimore, Md.; B.S. University of Pittsburgh, 1982. Computer Science.
- Laura C. Smith, of Severn, Md.; B.S. Furman University, 1984. Computer Science.
- Charles K. Snell, of Baltimore, Md.; B.S. Virginia Polytechnic Institute and State University, 1984. Electrical Engineering.
- Suzette Sommerer, of Silver Spring, Md.; B.S. Washington University, 1979. Applied Physics.
- John Joseph Squirlock, of Laurel, Md.; B.S. University of Scranton, 1985. Electrical Engineering.
- Paul John Stasko, Jr., of Ellicott City, Md.; B.S. University of Scranton, 1984. Computer Science.
- Victoria Holt Stauffer, of Severna Park, Md. Computer Science.
- Marc C. Stegall, of Laurel, Md.; B.S. University of Maryland, 1984. Computer Science.
- Roy Bryan Stoker, of Baltimore, Md.; B.S. North Carolina State University, 1984. Electrical Engineering.
- Marc J. Storch, of Laurel, Md.; B.A. University of Wisconsin, 1982. Computer Science.
- Stephen Eric Storms, of Baldwin, Md.; B.A. La Salle College, 1969. Computer Science.
- Wendy Duckworth Streitz, of Elkridge, Md.; B.S. Harvey Mudd College, 1983. Electrical Engineering.
- Steven Mark Stuckenschndr, of Silver Spring, Md.; B.A. Loyola College, 1979. Computer Science.
- Charles F. Suter, of Columbia, Md.; B.S. Eastern Washington University, 1985. Computer Science.
- Christine Matievich Sutton, of Sykesville, Md.; M.S. Pennsylvania State University, 1981. Computer Science.
- Wei-Kuo Tao, of Greenbelt, Md.; B.S. National Central University, Taiwan, 1974; M.S. University of Illinois at Urbana-Champaign, 1978; Ph.D., 1982. Computer Science.
- Gary Charles Tartanian, of Laurel, Md.; B.S. University of Maryland, 1983. Electrical Engineering.
- Michelle Rose Taylor, of Highland, Md.; B.S. Drexel University, 1982. Electrical Engineering.
- Reuy-Min Teng, of Silver Spring, Md.; B.S. National Taiwan University, 1973; M.S. Southern Illinois University, 1977. Computer Science.
- Pham Trong Thang, of Rockville, Md.; B.S. University of Maryland, 1976. Computer Science.
- Jane O'Neill Thorne, of Columbia, Md.; B.S. Hatfield Polytechnic, England, 1981. Computer Science.
- Bobby F. Thrash, of Forest Hill, Md.; B.A. University of Southern Mississippi, 1977; M.S., 1979. Computer Science.
- Kevin C. Tidemann, of Washington, D.C.; B.S. University of Maryland, 1980. Computer Science.
- David Eric Timmons, of Columbia, Md.; B.S. University of Tennessee, 1983. Electrical Engineering.
- Charlene A. Tinney, of Laurel, Md.; B.S. Pennsylvania State University, 1982. Computer Science.
- Paul Anthony Tolsma, of Laurel, Md.; B.S. Stevens Institute of Technology, 1981. Electrical Engineering.
- Richard Sylvester Townsend, Jr., of Severna Park, Md.; B.S. Capitol Institute of Technology, 1972. Technical Management.
- Felix Chi-Hung Tong, of Derwood, Md.; B.S. University of Illinois, 1976; M.S. University of Michigan, 1979. Computer Science.
- Chong Quoc Tran, of Herndon, Va.; B.S. University of Maryland, 1984. Electrical Engineering.
- James Barry Truscello, of Baltimore, Md.; B.S. Virginia Polytechnic Institute and State University, 1985. Electrical Engineering.
- Gregory B. Turetzky, of Silver Spring, Md.; B.A. Cornell University, 1985. Computer Science.
- Denise Robin Underwood, of Columbia, Md.; B.S. Furman University, 1984. Computer Science.

- Mark Robert Unkenholz, of Silver Spring, Md.; B.S. George Washington University, 1983. Electrical Engineering.
- Douglas J. Vanesko, of Baltimore,, Md.; B.S. The Johns Hopkins University, 1986. Computer Science.
- Gail A. Vanovitch, of Crofton, Md.; B.S. Carnegie-Mellon University, 1983. Numerical Science.
- Gregory Alan Velott, of Rockville, Md.; B.S. University of Maryland, 1983. Computer Science.
- Shon D. Vick, of Baltimore, Md.; B.A. Rutgers University, 1980. Computer Science.
- Kathryn Kuzmich Vogel, of Ellicott City, Md.; B.S. Drexel University, 1983. Electrical Engineering.
- Thomas William Vollmer, of Edgewater, Md.; M.S. Seton Hall University, 1972. Computer Science.
- Susan Ailene von der Lippe, of Silver Spring, Md.; B.S. James Madison University, 1984. Computer Science.
- Francis Howard Walker, of Columbia, Md.; B.S. Cornell University, 1982. Electrical Engineering.
- Ning Wu Wang, of Columbia, Md.; B.S. National Cheng-Kung University, 1972; M.S. University of Ottawa, 1977. Computer Science.
- Christopher Bryan Ward, of Glen Burnie, Md.; B.S. University of Maryland, 1986. Computer Science.
- Ronald G. Wardell, of Beltsville, Md.; B.S. University of Delaware, 1962. Electrical Engineering.
- Craig Allen Washinger, of Ellicott City, Md.; B.S. Shippensburg University, 1984. Computer Science.
- Thomas Allan Waters, of Columbia, Md.; B.S. University of Maryland, 1975. Electrical Engineering.
- Steven John Webster, of Stevensville, Md.; B.S. Clarkson University, 1985. Electrical Engineering.
- Darlene Moran West, of Annapolis, Md.; B.A. Western Maryland College, 1972. Computer Science.
- Beverly Marcy Wetering, of Hanover, Md.; B.S. Bloomsburg University, 1977. Computer Science.
- David James Wetzig, of Columbia, Md.; B.S. Bowling Green State University, 1985. Computer Science.
- Victoria L. Weygandt, of Rockville, Md.; B.S. Allegheny College, 1983. Computer Science.
- Mary E. Wiechec, of Severn, Md.; B.A. Marygrove College, 1983. Computer Science.
- Kevin Eugene Willey, of Ellicott City, Md.; B.S. Westminster College, 1984. Computer Science.
- Laura Ann Williamson, of Laurel, Md.; B.S. Merrimack College, 1984. Computer Science.
- Simon P. Wing, of Beltsville, Md.; B.S. University of Arizona, 1984. Computer Science.
- Terry Soule Witowsky, of Middletown, Md.; B.S. Worcester Polytechnic Institute, 1982. Computer Science.
- Stanley Michael Wojnar, of Laurel, Md.; B.S. University of Pittsburgh, 1977. Technical Management.
- Michael Edward Wolek, of Laurel, Md.; B.S. Pennsylvania State University, 1982. Computer Science.
- Joseph Patrick Wolfewicz, of San Francisco, Calif.; B.A. University of Michigan, 1983. Computer Science.
- Margaret Wanda Wood, of Upper Marlboro, Md.; B.S. University of Maryland, Eastern Shore, 1985. Computer Science.
- Randel Wood, of Dallastown, Pa.; B.S. United States Naval Academy, 1977. Technical Management.
- William A. Woodard, of Fairfax Station, Va.; B.S. University of Maryland, 1978. Technical Management.
- William Alan Woolf, of Silver Spring, Md.; B.S. George Washington University, 1979; M.S., 1983. Technical Management.
- David Parke Word, of Laurel, Md.; B.S. Virginia Polytechnic and State University, 1982. Computer Science.
- Edward W. Yee, of Ellicott City, Md.; B.A. Yale University, 1980. Computer Science.
- Shu-Yin Yeh, of Silver Spring, Md.; B.S. Gztung Institute of Technology, 1975; M.S. Virginia Polytechnic Institute and State University, 1978. Computer Science.
- Alice Marie Yonkoski, of Pasadena, Md.; B.S. University of Maryland, 1981. Technical Management.
- Kyle Michael Young, of Columbia, Md.; B.S. University of Florida, 1978. Computer Science.
- David Richard Zaret, of Baltimore, Md.; M.A. University of Michigan, 1972; Ph.D. Brown University, 1978. Computer Science.
- Michael John Zeher, of Eldersburg, Md.; B.S. Capitol Institute of Technology, 1982. Computer Science.
- Kevin Patrick Zemejda, of Columbia, Md.; B.S. University of Maryland, 1984. Computer Science.
- Tracy Sue Zimmerman, of Longmeadow, Mass.; B.A. Goucher College, 1984. Computer Science.
- Gregory D. Zudock, of Rockville, Md.; B.S. Northwestern University, 1982. Computer Science.

MASTERS OF SCIENCE IN ENGINEERING

in The G.W.C. Whiting School of Engineering

- Deepak Agarwal, of Meerut, India. Civil Engineering.
In Situ Calibration of Constitutive Models—Preliminary Feasibility Study.
- Krishan Kumar Batta, of Nabha, India; B.Tech. Regional Engineering College, Warangal, India, 1984. Mechanical Engineering.
An Optical Technique for the Measurement of Crack Tip Opening Displacement for both Quasi static and High Loading Rates.
- Frederick Arthur Bonner, II, of Syosset, N.Y.; B.S.E. University of Michigan, Ann Arbor, 1986. Geography and Environmental Engineering.
- Donald Hodges Bowman Braswell, of Pampa, Texas; B.S. United States Naval Academy, 1986. Electrical and Computer Engineering.
- Jennifer Gordon Buchner, of Little Silver, N.J. Computer Science.
- Ingrid Karin Busch, of Jones, Mich. Mathematical Sciences.
- Monica Nancy Canilang, of Akron, Ohio; B.S.E.E. The Johns Hopkins University, 1987. Computer Science.
- Chaomei Chen, of Beijing, China. Mathematical Sciences.
- Douglas Chin, of Elmhurst, N.Y.; B.S. Massachusetts Institute of Technology, 1985. Chemical Engineering.
A Study of Silica Formation in a Counterflow Diffusion Flame.
- Gregory Scott Chirikjian, of Potomac, Md. Mechanical Engineering.
Lagrangian Formulation of Dynamical Equations Governing Appendage Deployment from Spacecraft.
- Angela Bonita Clark, of Washington, D.C.; B.S. University of Pennsylvania, 1985. Chemical Engineering.
An Experimental Study of the Effects of an Entrainer on the Vapor-Liquid Equilibria in Mixtures Containing Model Coal Compounds.
- Ross Edward Conklin, Jr., of Durham, N.C.; B.S.E.E. The Johns Hopkins University, 1987. Electrical and Computer Engineering.
- Patricia Bell Crowe, of Arlington, Va.; B.A. University of Virginia, 1982. Geography and Environmental Engineering.
- Ronald Anthony Dombro, of Calumet City, Ill.; B.S. University of Illinois, 1982. Chemical Engineering.
- Lei Fang, of Shanghai, China; Certificate Shanghai University of Science and Technology, 1978. Mechanical Engineering.
Dynamic Fracture Initiation in a Three Point Bend Tool Steel Specimen.
- Ann Elizabeth Friese, of Hydes, Md. Computer Science.
- William Paynter Hanson, of Ellittsburg, Pa.; B.S. Dickinson College, 1980. Materials Science and Engineering.
X-ray Topography of Single Crystal Quartz Using White Beam Synchrotron Radiation.
- Anthony Saudray Harrington, of Worthington, Ohio; B.S. Harvey Mudd College, 1986. Electrical and Computer Engineering.
- Robert Clinton Hoffman, of Mt. Airy, Md.; B.S. Loyola College, 1982. Materials Science and Engineering.
An Erasable Optical Storage Medium Based on an Organometallic Charge-Transfer Salt.
- Md Saiful Islam, of Dhaka, Bangladesh; B.S. Bangladesh University of Engineering and Technology, Dhaka, 1983. Civil Engineering.
- Sivakolunthunathan Kesavanathan, of Chulipuram, Sri Lanka; B.S. University of Peradeniya, Sri Lanka, 1981. Civil Engineering.
- Mary Beth Kiszka, of South Bend, Ind.; B.S. University of Notre Dame, 1985. Chemical Engineering.
Experimental and Modeling Techniques Used in the Determination of High-Pressure Phase Behavior.
- Spryridon A. Kontogiorgis, of Athens, Greece. Computer Science.
- Alan Jed Kosansky, of Amherst, N.Y.; B.S. Rutgers University, 1985. Mathematical Sciences.
- Heinan H. Landa, of Potomac, Md. Electrical Engineering and Computer Science.
- Panayotis Elias Lazanas, of Athens, Greece. Electrical and Computer Engineering.
- Carol Ann Lebowitz, of Annapolis, Md.; B.A. The Johns Hopkins University, 1986. Materials Science and Engineering.
Coherence Multiplexed, Two-Illumination Source Contouring using Quasi-Heterodyne Holographic Interferometry.
- Eric Arthur Lindgren, of Mountain Lakes, N.J.; B.S. The Johns Hopkins University, 1986. Materials Science and Engineering.
The Use of Ultrasonic Correlation Methods for the Investigation of Phase Transitions in Polytetrafluoroethylene and the Precipitation Hardening Process in 2024 Aluminum Alloy.
- Ning Lu, of Fuzhou, Fujian, China; B.S. Wuhan Institute of Building Materials, China, 1982; M.S., 1984. Civil Engineering.
- Ching-hsing Luo, of Shiaur-Jiah, Taiwan; B.S. National Chaio Tung University, 1980; M.S. National Taiwan University, 1982. Biomedical Engineering.
An Improved Ultrasensitive Transducer for Isometric Force Measurements of Single Cardiac Muscle Cells.
- Premchand Nagaraj Malali, of Banglore, India. Mechanical Engineering.
Thermal Fields Generated by Dynamic Mode III Fracture in Ductile Materials.
- Balrina Malik, of Bhilai, India; B.S. Ravishankar University, Raipur, 1981; M.S. Indian Institute of Technology, Delhi, 1983; M.Tech., 1985. Chemical Engineering.
- Diane Markakis, of Baltimore, Md. Mathematical Sciences.
- André Mark McDonald, of Kingston, Jamaica. Mechanical Engineering.
Natural Convection Heat Transfer from Vertical Parallel Plates with Isoflux Boundary Condition.

- Heather McIlvried, of Pittsburgh, Pa.; B.S. Pennsylvania State University, 1985. Geography and Environmental Engineering.
- Deborah Marie Mechtel, of Baltimore, Md.; B.S.M.E. University of Virginia, 1982. Electrical and Computer Engineering.
- Venkatakrishna Reddy Meda, of Hyderabad, India; B.E. Osmania University, India, 1984. Civil Engineering.
A Fully-Integrated General Finite Element for Thick and Layered Plates.
- John Stephen Morgan, of Gaithersburg, Md.; B.S. Loyola College, 1984. Materials Science and Engineering.
Magnetic Substitutions and Superconductivity in Yttrium-Barium-Copper-Oxide and the Copper Isotope Effect in Yttrium-Barium-Copper-Oxide.
- Janet Victoria Murray, of Richmond, Va.; B.S.E.E. The Johns Hopkins University, 1987. Computer Science.
- Thang Dinh Nguyen, of Alexandria, Va.; B.S. Virginia Polytechnic Institute and State University, 1982; M.S., 1983. Electrical and Computer Engineering.
Real Time Pitch Detection Using Centers of Mass as Time Markers.
- Deborah Lynn Nykyforchyn, of Columbia, Md.; B.S. Towson State University, 1974; B.S. Auburn University, 1980. Civil Engineering.
Stability Analysis of the Slope of an Embankment Constructed at Washington National Airport.
- Claire Denise O'Neill, of Catonsville, Md.; B.S.E. Princeton University, 1978. Geography and Environmental Engineering.
- A. K. Parameswaran, of Madras, India; B.Tech. Indian Institute of Technology, Kampur, 1985. Chemical Engineering.
Extremely Thermophilic Archaeobacteria of the Genus Pyrodictium: Effect of Yeast Extract and Hydrogen and Carbon Dioxide Partial Pressures on Growth and Sulfide Production.
- Dan Schonfeld, of Northridge, Calif. Electrical and Computer Engineering.
- Jason Mitchell Shapiro, of Aberdeen, N.J.; B.S. The Johns Hopkins University, 1986. Mechanical Engineering.
An Experimental Method for Determination of Dynamic Fracture Toughness.
- Gary Laurence Siegel, of Morristown, N.J. Computer Science.
- Sharon Lee Smith, of Farmington, Conn.; B.S. Lafayette College, 1986. Computer Science.
- Kenneth Richard Speck, of Baltimore, Md. Materials Science and Engineering.
Electrical and Optical Switching in Gel-Derived Vanadium Dioxide Thin Films.
- Wei-Wen Su, of Taipei, Taiwan; B.S. National Cheng Kung University, 1985. Chemical Engineering.
Engineering Studies of Extremely Thermophilic Archaeobacteria: Sulfolobus acidocaldarius and Pyrococcus furiosus.
- David Crowe Swanson, of New Canaan, Conn.; B.A. Bates College, 1982. Mathematical Sciences.
- Sudhakar Thyagarajan, of Bombay, India. Mechanical Engineering.
The Effect of Temperature on the Stress and Deformation States in a Notched HSLA-100 Bar.
- Edward Joseph Tucholski, of Buffalo, N.Y.; B.S. United States Naval Academy, 1981. Materials Science and Engineering.
Three Dimensional Surface Representations of Linear Elastic Anisotropy in Cubic Single Crystals.
- Kuo-Chiang Wang, of Taipei, Taiwan; B.S. National Chiao Tung University, 1983. Mechanical Engineering.
Attachable Interferometric Strain Gages.
- Sidney Wen-Hsin Wang, of Cockeysville, Md.; B.S.E.E. The Johns Hopkins University, 1987. Computer Science.

MASTERS OF ARTS

in The G.W.C. Whiting School of Engineering

- Werner Helmut Siebert, of Neustadt, West Germany; Diploma University of Karlsruhe, 1983. Geography and Environmental Engineering.
- Pearl Peller Slomowitz, of Monsey, N.Y. Geography and Environmental Engineering.
The Reductive Dissolution of Co(III) Oxides.
- Mary Elizabeth Webb, of Mansfield, Mass.; B.A. University of Rochester, 1986. Geography and Environmental Engineering.

MASTERS OF ARTS

in The School of Arts and Sciences

- Syed Farid Alatas, of Singapore; B.S. University of Oregon at Eugene, 1983. Sociology.
- Gina Lourdes Delgado Apostol, of Tacloban City, Philippines; B.A. University of the Philippines, 1984. Writing Seminars.
Four Stories.
- Rosa Maria Barboza Tumscitz Araujo, of Rio de Janeiro, Brazil; Certificate, Pontifical Catholic University of Rio de Janeiro, 1970; M.A. University of Paris, Nanterre, 1974.
- MacDonald King Aston, of Baltimore, Md.; B.A. University of California at Irvine, 1985. Classics.
- Satyen Gowrishanker Baidur, of Bangalore, India; B.S. St. Stephen's College at the University of Delhi, 1982; M.S., 1984. Physics and Astronomy.
- Udai Basavaraj, of Nepean, Ontario, Canada. Mathematics.
- Janice Sandra Berman, of Baltimore, Md. Psychology.
Affective responses to attitude objects: Measurement and validation.

- Carole R. Bernstein, of New York, N.Y.; B.A. University of Pennsylvania, 1981. Writing Seminars.
Damaged Goods.
- Lanfranco Blanchetti-Revelli, of Torino, Italy; Certificate, Università di Torino, 1984. Anthropology.
- Harriet Anastasia Boetzelen, of York, Pa. Psychology.
A Comparison of Drinking Histories of Male and Female Alcoholics.
- Daniel G. Bonnetterre, of Montreal, Canada; B.A. University of Montreal, 1982; M.A., 1985. Near Eastern Studies.
- Michael Borch, of Weybridge, England. Political Science.
American Foreign Policy in Relation to the Israel/Arab Conflict—A History of Change, 1972-82.
- Christopher Mark Boswell, of Cashmere, Wash. Physics and Astronomy.
- Janet Rebecca Bowdan, of South Hadley, Mass. English.
- Richard Francis Braaten, of Atlanta, Ga.; B.A. Duke University, 1982. Psychology.
- Alan Christopher Braddock, of Iowa City, Iowa. History of Art.
- Susan Brobst, of Baltimore, Md. Chemistry.
- John Gregory Brown, of Durham, N.C.; B.A. Tulane University, 1982; M.A. Louisiana State University, 1984. Writing Seminars.
Degas' House and Other Stories.
- Edna Bryn-Noiman, of Beer-Sheva, Israel; B.A. Ben Gurion University of the Negev, 1977; M.A. Tel Aviv University, Israel, 1983. Philosophy.
- Scott Alan Budzien, of Memphis, Tenn.; B.S. Rhodes College, 1985. Physics and Astronomy.
- Katherine Ann Byse, of Kokomo, Ind. French.
- Anne Monica Callan, of Dublin, Ireland; B.A. Portland State University, 1985. Writing Seminars.
Idir Thir Is Tir Eile: Between Two Hearths.
- Karen Ann Canella, of Delta, Pa.; B.S. Drexel University, 1980. Chemistry.
- Wan Chen, of Xian, China. Physics and Astronomy.
- Ning Chia, of Beijing, China; B.A. Beijing Normal University, 1981. History.
- Mair Elisa Annabelle Churchill, of Radford, Va.; B.A. Swarthmore College, 1981. Chemistry.
- Cynthia Watt Clough, of Lineboro, Md.; B.A. Goucher College, 1982. Writing Seminars.
Fair Fish and Others.
- Adam S. Cohen, of Merrick, N.Y. History of Art.
- Peter Stockton Cooper, of Vienna, Va.; B.S. Virginia Polytechnic Institute and State University, 1981. Chemistry.
- Kimberly Ann Coplin, of Carrollton, Ohio; B.A. Denison University, 1985. Physics and Astronomy.
A Statistical Analysis of the Ultraviolet H₂ Emissions from the Jovian Equatorial Region.
- Loren Dare Council, of Santa Fe, N.M.; B.A. Reed College, 1982. Anthropology.
- Casey Timothy Cremins, of Germantown, Md. Mathematics.
- Arthur Menadier Cromwell, of Baltimore, Md.; B.S. Loyola College, 1985. Hispanic and Italian Studies.
- Robert David Crouch, Jr., of Frederick, Md.; B.A. Duke University, 1978; M.S. Shippensburg University, 1985. Chemistry.
- Dorothea Mary Cummings, of Cherry Hill, N.J.; B.A. Glassboro State College, 1970; M.A. University of Pennsylvania, 1975. Writing Seminars.
Conversion.
- David Richard Currie, of London, Canada; B.A. University of Western Ontario, 1982. History.
- Paul Talbot Decker, of Jacksonville, Ill. Political Economy.
- Eugenio Angel Diaz-Bonilla, of Buenos Aires, Argentina; Licenciado en Economía, Universidad de Buenos Aires, 1972; M.A. The Johns Hopkins University, 1985. Political Economy.
- Mauro Dorato, of Rome, Italy; Laurea, University of Rome, 1982. Philosophy.
- Julia Lynn Driver, of New York, N.Y.; B.A. University of Texas at Austin, 1983. Philosophy.
- Daniel William Dubelman, of Englewood Cliffs, N.J.; B.A. Cornell University, 1987. Writing Seminars.
American Trash.
- Mary Kathleen Elder, of Annapolis, Md.; B.A. Goucher College, 1986. Writing Seminars.
Counterparts.
- Charles Christopher Euchner, of Huntington, N.Y. Political Science.
- Lori Beth Frank, of Haddonfield, N.J.; B.A. University of Delaware, 1985. Psychology.
- Craig Rein Frisch, of Maplewood, N.J.; B.A. The Johns Hopkins University, 1981. Hispanic and Italian Studies.
- Stephen Neil Garfinkel, of Pittsburgh, Pa.; B.A. University of Pennsylvania, 1984. English.
- Paul Chrisholm Genest, of Toronto, Canada; B.A. University of Guelph, 1981. Philosophy.
- Michael I. Giden, of Sherman Oaks, Calif.; B.A. Haverford College, 1984. History of Art.
- David Max Goloff, of Dayton, Ohio; B.S. University of Dayton, 1983. Mathematics.
- Catharine Louise Good, of Cuernavaca Morelos, Mexico; B.A. Scripps College, 1973. Anthropology.
- Rebekah Ann Grossman, of Pennington, N.J.; B.A. Goucher College, 1987. Writing Seminars.
The Quiet Hour.
- Daifang Gu, of Qingdao, China; B.S. Fudan University, 1982. Earth and Planetary Sciences.
- Liangping Guo, of Zhengzhou, China; B.A. Beijing Normal University, 1985. Sociology.
- Walter Sims Harley, of Baltimore, Md.; B.A. The Johns Hopkins University, 1986. Psychology.
- Deborah Ann Heath, of Minneapolis, Minn.; B.A. Reed College, 1975; M.A. University of Minnesota, 1978. Anthropology.
- David Floyd Hersey, of Silver Spring, Md.; B.S. Trinity University, 1984. Chemistry.
- Robert James Hicken, of Church Lawton, England. Physics and Astronomy.

- Oussama Adnan Himani, of Beirut, Lebanon. Political Economy.
- Roxanne Rhodes Hoare, of Arlington, Va. English.
- Laura June Hostetler, of Hillsborough, N.C.; B.A. Indiana University, 1975. Classics.
- Stefanie Harris Hunt, of Baltimore, Md.; B.A. Towson State University, 1984. Political Economy.
- Hidehiro Ikeno, of Yokohama, Japan; Certificate, Hitotsubashi University, 1982; M.A., 1984. Political Economy.
- Hideki Izawa, of Marugame City, Japan; B.Econ. Kobe University, 1980; M.Econ., 1982. Political Economy.
- Steven James Johnston, of Baltimore, Md.; B.A. University of Southern California, 1982. Political Science.
Rousseau, Nature, Politics: Or How Jean-Jacques Learned to Trust in God.
- Sahoko Kaji, of Tokyo, Japan; B.A. Keio University, 1982; M.A., 1984. Political Economy.
- Gregor Addison Kalas, of Washington, D.C. History of Art.
- Pamela B. Kennedy, of Bethesda, Md.; B.A. Wesleyan University, 1984. Writing Seminars.
Saints.
- Laurence Harwood Knighton, of Baltimore, Md.; B.A. University of Maryland, 1969. Classics.
- Joseph Henry LaCasce, of Ellsworth, Maine. Physics and Astronomy.
- Julie Christine Leana-Cox, of Jessup, Md. Biology.
- Erik Gray Ledbetter, of Cheverly, Md. History.
Free Capital: Republican Party Ideology and the Session Crisis, 1860-1861.
- Ming-Guang Leu, of Taipei, Taiwan; B.S. Tamkang University, 1980; M.S. 1982. Mathematics.
- Emily Joan Leventhal, of Westbury, N.Y.; B.A. The Johns Hopkins University, 1987. Writing Seminars.
The Essence of Photography and the Emergence of an Image-World.
- Shaozhong Li, of Shanghai, China; B.S. Fudan University, 1982; M.S., 1985. Physics and Astronomy.
- Xiaoxiong Li, of Chengdu, China; B.A. Sichuan University, 1982. History.
- Tong Li, of Zunyi, China; B.A. Guizhou University, 1982. History.
The Population Change and Social Mobility among the Chinese Immigrants in New York City, 1880-1900.
- David Ross Lipsky, of New York, N.Y.; B.A. Brown University, 1987. Writing Seminars.
Relativity.
- Hongji Liu, of Nanjing, China; B.A. Nanjing Foreign Languages Institute of PLA, 1982. Writing Seminars.
Individualism and the American Dream.
- Stephen L. Longenecker, of Quarryville, Pa.; B.S. Shippensburg University, 1973; M.A. West Virginia University, 1975. History.
- Ming Lu, of Nanjing, China. Physics and Astronomy.
- Christopher David Luebke, of Chambersburg, Pa. Humanities.
- Grant Edward Mabie, of Occola, Ind.; B.A. Purdue University, 1984. History.
- Mir Mahboob Mahmood, of New York, N.Y.; B.A. Princeton University, 1981. Political Science.
The Legitimation of Judicial Discourse.
- Jessica Rose Manke, of Charlottesville, Va. Humanities.
- Shi-Shan Mao, of Taipei, Taiwan; B.S. National Tsing Hua University, 1978. Chemistry.
- Thomas Edward Marier, of Arlington Heights, Ill.; B.A. University of Iowa, 1983; M.A., 1986. Classics.
- Rene Sue Marion, of Ames, Iowa; B.A. University of Iowa, 1984. History.
- Roland Edward Martin, III, of Crofton, Md.; B.A. The Johns Hopkins University, 1985. Mathematics.
- Mel Eugene Martinez, of Seattle, Wash.; B.S. University of Washington, 1986. Physics and Astronomy.
- Timmie Sue McArthur, of Bozeman, Mont.; B.S. Northwestern University, 1983. Mathematics.
- Meredith Louise McGill, of Simsbury, Conn.; B.A. Williams College, 1983. English.
- Jodi Beth Mikalachki, of London, Canada; B.A. University of Toronto, 1983. English.
- Lisa Kim Miller, of McGraw, N.Y.; B.A. The Johns Hopkins University, 1984. Anthropology.
- Tyrus Henry Miller, of Philadelphia, Pa.; B.A. The Johns Hopkins University, 1986; M.A., 1986. Writing Seminars.
Earthworks.
- Jonathan Toby Mordkoff, of Baltimore, Md.; B.A. The Johns Hopkins University, 1986. Psychology.
- James Charles Morrell, of Camillus, N.Y.; B.S. Cornell University, 1982. Biology.
- Sarah Elizabeth Morse, of Lincoln, Mass.; B.A. Brown University, 1981; M.S. University of Rochester, 1985. Chemistry.
- Stephen Mrenna, of Beaver, Pa. Physics and Astronomy.
- Paul Joseph Murphy, of Bethesda, Md.; B.A. The Johns Hopkins University, 1984. Writing Seminars.
Clockwork.
- Mieko Nishida, of Yanai-shi, Yamaguchi, Japan. History.
- Caragh Mary O'Brien, of St. Paul, Minn.; B.A. Williams College, 1984. Writing Seminars.
Surface Tension and Other Short Stories.
- Andrew Christen Olson, of Lincoln, Neb.; B.S. Eckerd College, 1984; M.A. The Johns Hopkins University, 1985. Psychology.
- Robert Anthony Orwell, of Baltimore, Md.; B.A. University of Wisconsin, 1983. History.
- Kenneth David O'Reilly, of Auburn, Mass.; B.A. Clark University, 1987. Sociology.
- Silvana Patriarca, of Torino, Italy; Laurea University Degli Studi di Torino, 1980. History.
- Mark Austin Person, of State College, Pa.; B.A. Franklin and Marshall College, 1980; M.S. New Mexico Institute of Mining and Technology, 1984. Earth and Planetary Sciences.
- Kai-Lit Phua, of Kuantan, Malaysia; B.A. University of Rochester, 1981. Sociology.
- Ursula Porod, of Graz, Austria. Mathematics.

- John Thomas Prendergast, of Philadelphia, Pa.; B.A. University of Pennsylvania, 1980. Writing Seminars.
Relations and Other Stories.
- Jeffrey John Rachlinski, of Baltimore, Md. Psychology.
Female Superiority and the Same-Sex Bias in Learning of Name-Trait Pairings.
- Kali Prasad Rath, of Bhubaneswan, India; B.A. Utkal University, 1977; M.A., 1979. Political Economy.
- Miriam Grace Reumann, of Philadelphia, Pa. Humanities.
- Imran Riza, of New York, N.Y. Anthropology.
- Kevin Christopher Robbins, of Portland, Ore.; B.A. Reed College, 1981. History.
- Ann Elizabeth Roberson, of Columbia, Md. Biology.
- Jeffrey Adam Robl, of Bel Air, Md.; B.S. Loyola College, 1982. Chemistry.
- Ellen Mindy Shulman Roskes, of Baltimore, Md.; B.A. The Johns Hopkins University, 1985. Chemistry.
- Florinda Ruiz, of Madrid, Spain. Classics.
- Mark Edward Rush, of Boston, Mass.; B.A. Harvard University, 1983. Political Science.
The Paradigm Crisis in the Study of American Electoral Behavior: The Case of Convergence.
- Flavia Sacchi, of New York, N.Y.; M.A. University of Edinburgh, 1977. Political Science.
The Politics of Migrant Workers: The Case of France: 1945-1980.
- Michael Edward Schaffer, of Palos Verdes Estates, Calif.; B.A. Reed College, 1983. History.
- Robert Jon Schreur, of Baltimore, Md.; B.A. Calvin College, 1985. English.
- David Joseph Shide, of Larimore, N.D. Psychology.
- James Sidbury, of Richmond, Va.; B.A. The Johns Hopkins University, 1980. History.
- Ahmad Naem Siddiqui, of Islambad, Pakistan; B. Sc. University of the Punjab, 1977; M.Sc. Quaid-I-Azam University, Pakistan, 1981. Political Economy.
- David Scott Simon, of Baltimore, Md.; B.S. Ohio State University, 1982. Physics and Astronomy.
- Mark William Sincell, of Bozeman, Mont.; B.S. University of Southern California, 1986. Physics and Astronomy.
- Tammy Ann Smecker, of Munhall, Pa.; B.A. The Johns Hopkins University, 1986. Physics and Astronomy.
- Richard Ian Smith, of Baltimore, Md.; B.A. Wesleyan University, 1980. Political Science.
End Run or Punt?: Secretary of Defense Robert S. McNamara, the Military Services and Congress in Defense Procurement Politics.
- Priscilla Jeanne Sneff, of State College, Pa.; B.A. Princeton University, 1979. Writing Seminars.
Ars Memoriae.
- Hope Maxwell Snyder, of Hagerstown, Md.; B.A. College of William and Mary, 1982. Hispanic and Italian Studies.
- Katherine Ann St. John, of Cupertino, Calif. Mathematics.
- Andrea Leigh Starn, of Berkeley, Calif. History of Art.
- Anne Summerscale, of Cambridge, Mass.; M.A.T. Harvard University, 1971. History of Art.
- Claudia Swan, of Southfield, Mass. History of Art.
- Arne Emil Tangherlini, of Auburn, Mass.; B.A. Harvard University, 1984. Writing Seminars.
Erik's Saga.
- Maria Alison Threadgill, of McLean, Va.; B.A. Dartmouth University, 1985. Physics and Astronomy.
A Study of the Lyman-alpha Brightness of Eleven Comets.
- Kerrie Margo Ticknor, of Reston, Va.; B.A. Union College, 1987. Writing Seminars.
The Space Between.
- Michael Carlton Tolley, of Bel Air, Md.; B.A. Swarthmore College, 1984. Political Science.
Is Maryland Really "America in Miniature"? A Look at One State's Experience with Voting Right Disputes.
- Mary Elizabeth Treadway, of Delmar, N.Y.; B.A. Hamilton College, 1985. Psychology.
- William Thomas Umbel, of Mifflinburg, Pa.; B.A. Eastern Nazarene College, 1977; M.Div. Nazarene Theological Seminary, 1980. History.
- Steve Vejcik, III, of Annandale, Va.; Physics and Astronomy.
- David Jonathan Waksman, of Brooklyn, N.Y. History.
Conservative Ideals: Plantation Mistresses in the Antebellum South.
- Li-Shing Wang, of Taipei, Taiwan; B.A. National Taiwan University, 1982. Political Science.
The Meiji Restoration and the Hundred Days Reforms.
- Margaret Frances Weidner, of Seattle, Wash.; A.A. Shoreline Community College, 1981; B.S. Seattle University, 1984. Chemistry.
- Peter John Welch, of Marlow, England. Philosophy.
- Robert Cary Welsh, of Fairfax, Va.; B.S. George Mason University, 1985. Physics and Astronomy.
- Brenda Anne Wilson, of Fort Smith, Ark.; B.A. Barnard College, 1981. Chemistry.
- James Benjamin Wofford, of Conover, N.C.; B.S. University of North Carolina, 1984. Physics and Astronomy.
- Chan Yul Yoo, of Seoul, Korea; B.S. Yonsei University, 1980; M.A. American University, 1982. Political Science.

DOCTORS OF EDUCATION

in The School of Continuing Studies

- James Buckley, III, of Eugene, Ore.; M.A. University of Oregon, 1978.
- Charles Clifford Doggett, of Ellicott City, Md.; M.A. Loyola College, 1979.
- Marsha Goldberg, of Arlington, Va.; M.A. Columbia University, 1974.
- Caren Frances Ferris, of Ellicott City, Md.; B.A. University of Connecticut, 1973; M.S. Southern Connecticut College, 1973; M.Ed. Western Maryland College, 1975.
The Effectiveness of Multisensory Treatments on the Word Recognition and Spelling Performances of Low-Achieving Deaf Students.
- Susan Hoffman, of Washington, D.C.; B.A. Smith College, 1966; M.Ed. Harvard University, 1973.
A Comparison of Cognitive and Auditory Memory Abilities of Gifted Children with Gifted Reading Achievement and Gifted Children with Lower Reading Achievement.
- Gail Manchester Liss, of Baltimore, Md.; B.A. George Washington University, 1965; M.A., 1967.
The Development of a Criterion-Referenced Handwriting Test.
- Sister Christine Manlove, of Baltimore, Md.; B.A. Loyola College, 1974; M.S., 1975; M.S. The Johns Hopkins University, 1981.
The Effects of Response Variation Training Procedures on the Generalized Performance of a Laundry Folding Task by Persons with Mental Retardation.
- Jacqueline Ann Nunn, of Baltimore, Md.; B.S. Florida State University, 1970; M.Ed. Virginia Commonwealth University, 1971.
The Effects of Horizontal Job Enlargement on the Work Productivity of Students with Moderate and Severe Mental Retardation.
- Carol A. Quirk, of Baltimore, Md.; B.A. University of Connecticut, 1972; M.A., 1975.
The Effects of Adding Verbal Cues to Instructional Prompts on the Performance of Independent Living Skills by Students with Severe Disabilities.
- Paula Schmidt, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1970; M.S. Loyola College, 1973.
The Interrelationship of External Stresses, Coping Skills, and School Competency of Fifth Graders.
- Edward Walton Schultz, of Gaithersburg, Md.; B.S. University of Maryland, 1979; M.S. Virginia Polytechnic Institute and State University, 1982; M.Ed. University of Virginia, 1982.
The Relationship Between Personality and Career Development Among Mildly Handicapped Students With Emotional/Behavioral Problems.

DOCTORS OF MUSICAL ARTS

in The Peabody Conservatory of Music

- Andrew Bryan Cooperstock, of Indianapolis, Ind.; B.M. University of Cincinnati College-Conservatory of Music, 1981; M.M. Juilliard School of Music, 1983. Piano.
- Gideon Lewensohn, of Jerusalem, Israel; B.M. Tel-Aviv University, 1978; Artist Diploma, 1980. Conducting.
The Floating Tower: Composition as Study in Andre Hajdu's Settings of the Mishnah.
- Blair Woodruff Pethel, of Greensboro, N.C.; B.M. Greensboro College, 1981; M.M. The Johns Hopkins University, 1982. Piano.
Keith Emerson: The Emergence and Growth of Style, A Study of Selected Works.
- Gordon Mark Sparber, of Mount Carmel, Pa.; B.M. The Johns Hopkins University, 1977; M.M. 1979. Piano.
- Barbara Carol Thomson, of Highland Park, N.J.; B.A. Pennsylvania State University, 1969; M.M. Eastman School of Music, 1971. Organ.

DOCTORS OF SCIENCE

in The School of Hygiene and Public Health

Edgar Harvey Adams, of Rockville, Md.; B.S. Fordham University, 1963; M.S. Purdue University, 1966. Health Policy and Management.

Factors Associated with an Elevated Risk of Cocaine Use and Dependence.

Jerilyn Kay Allen, of Lutherville, Md.; B.S. Pennsylvania State University, 1970; M.S. University of Maryland, 1976. Behavioral Sciences and Health Education.

Factors Related to Functional Status Following Coronary Artery Bypass Surgery.

Thomas Joseph Beck, of Baltimore, Md.; B.S. University of Maryland, 1974; Sc.M. The Johns Hopkins University, 1978. Environmental Health Sciences.

Non Invasive Estimation of Structural Geometry in the Human Hip from Bone Mineral Image Data.

Amy B. Bernstein, of Seabrook, Md.; B.A. Swarthmore College, 1978; M.H.S.A. University of Michigan, 1980. Health Policy and Management.

The Effect of Hours of Work on Women's Use of Health Services.

Arlene Manns Butz, of Baltimore, Md.; B.S.N. Pennsylvania State University, 1973; M.S.N. The Catholic University of America, 1978. Maternal and Child Health.

The Anxiety-Asthma Morbidity Relationship in Children.

Elizabeth Ann Elliott, of Pottsville, Pa.; B.A. Goucher College, 1965; M.Ed. Pennsylvania State University, 1969; M.H.S. The Johns Hopkins University, 1984. Epidemiology.

Body Fat Distribution Type as an Endometrial Cancer Risk.

Thomas C. Hulsey, of Round O, S.C.; B.S. Baptist College at Charleston, 1974; M.S.P.H. University of South Carolina, 1976. Maternal and Child Health.

Behavior Assessment of Children in Foster Care.

Cheryl R. Kaplowitz, of Monsey, N.Y.; B.A. Boston University, 1972; M.S. Virginia Polytechnic Institute, 1975. Health Policy and Management.

The Effect of the Presentence Investigation on Sentence Outcome in Maryland.

Lisa Ann Werthamer-Larsson, of Baltimore, Md.; B.A. The Johns Hopkins University, 1975; M.S.W. Catholic University of America, 1982. Mental Hygiene.

The Epidemiology of Maladaptive Behavior in First Grade Children.

Melkizedeck T. Leshabari, of Dar es Salaam, Tanzania; B.Sc. University Dar es Salaam, 1975; M.A., 1978. Behavioral Science and Health Education.

Factors Influencing School Adolescent Fertility Behavior in Dar-es-Salaam, Tanzania.

Michael Bracken Macdonald, of Baltimore, Md.; B.S. University of Notre Dame, 1977. Immunology and Infectious Diseases.

Vectorial Capacity and the Ecology of Malaria Transmission in Punjab, Pakistan.

Susan Druckemiller North, of Severna Park, Md.; B.S. Cornell University, 1967; M.S. University of California, San Francisco, 1970. Behavioral Sciences and Health Education.

Determinants of Continuation in Prenatal Care in Lower Socioeconomic Urban Blacks.

Karen Ehlke Reilly, of Silver Spring, Md.; B.A. University of Maryland, 1980. Health Policy and Management.

Changes in Maryland Hospital Admissions, Days, and Length of Stay Corresponding with Maryland Medical Cost Containment Policies of 1981.

Jane Dilliard Scott, of Garden City, N.Y.; B.S.N. Duke University, 1973; M.S.N. Wayne State University, 1978. Health Policy and Management.

Cervical Cancer Control: Adequacy of Follow-up Care.

Syi Su, of Taipei, Taiwan; B.S. National Taiwan University, 1975; M.P.H., 1977. Health Policy and Management.

A Patient Classification and Nurse Staffing System for a Teaching Hospital in Taiwan.

Shu-Hshieh Tien, of Taipei, Taiwan; B.S. Fu-Jen University, 1972; M.H.S. The Johns Hopkins University, 1983. Health Policy and Management.

The Impact of Two New Jersey Hospital Payment Systems on Expenditures for Major Movable Equipment: SHARE vs. DRG System.

Allison Miller Trinkoff, of Baltimore, Md.; B.S.N. University of Rochester, 1978; M.P.H. University of North Carolina, 1980. Mental Hygiene.

Predictors of Initiation of Psychotherapeutic Medicine Use.

DOCTORS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

Ra'eda Jiyad Al-qutob, of Amman, Jordan; M.B.B.S. Jordan University, 1982; M.P.H. The Johns Hopkins University, 1985. Maternal and Child Health.

Changes in Skinfold Thickness as Measures of Maternal Nutritional Status.

Laura Catherine Altobelli, of St. Louis, Mo.; B.S.N. University of Missouri, Columbia, 1974; M.P.H. The Johns Hopkins University, 1982. Maternal and Child Health.

Maternal Employment, Household Structure, and Health Care for Child Diarrhea in Urban Peru.

Carlos Castillo-Salgado, of Mazatlán, Mexico; J.D. Universidad Autonoma de Guadalajara, 1972; M.D. Universidad Nacional de Mexico, 1978; M.P.H. The Johns Hopkins University, 1981. Health Policy and Management.

Unmet Health Care Needs of Mexican American Children.

Elizabeth Solomon, of Baltimore, Md.; B.A. University of Illinois, 1971; B.S. State University of New York at Stony Brook, 1977; M.H.S. The Johns Hopkins University, 1982. Health Policy and Management.

The Long Term Effects of Head Trauma.

Marsha Denise Lillie-Blanton, of Houston, Texas; B.S. Howard University, 1975; M.H.S. The Johns Hopkins University, 1982. Health Policy and Management.

Alcohol Use and Abuse Among Black Women: Estimating Prevalence Rates and Health and Mental Health Service Utilization Patterns.

Salah Moh'd Mawajdeh, of Amman, Jordan; M.B.B.S. Jordan University, 1982; M.P.H. The Johns Hopkins University, 1985. Health Policy and Management.

Levels of Care in Paediatric Specialty Clinics.

Mary Anne Mercer, of Sidney, Mont.; B.S. College of St. Teresa, 1966; M.P.H. The Johns Hopkins University, 1981. Maternal and Child Health.

Social Class Determinants of Child Growth in the Peruvian Sierra.

DOCTORS OF PHILOSOPHY

in The School of Hygiene and Public Health

Ago B. Ahene, of Accra, Ghana; B.Sc. University of Ghana, 1976; M.Sc., 1979; M.H.S. The Johns Hopkins University, 1983. Environmental Health Sciences.

Radioimmunochemical Methods for the Study of Melanogenesis.

George William Anderson, Jr., of Frederick, Md.; B.S. Florida Institute of Technology, 1975; M.S., 1977. Immunology and Infectious Diseases.

Viral and Host Determinants of Resistance to Rift Valley Fever in a Rat Model.

William Frank Athas, of Baltimore, Md.; B.S. University of Wisconsin at Madison, 1979. Epidemiology.

Recombinant Methods for Screening Human DNA Excision Repair Proficiency.

Kwamena Esenyi Baidoo, of Breman Asikuma, Ghana; B.Sc. University of Ghana, 1974. B.Sc., 1975. Environmental Health Sciences.

Technetium — 99M Labeling of Proteins.

Roger William Broseus, of Gaithersburg, Md.; B.Sc. Ohio State University, 1966; M.S. New York University, 1970. Environmental Health Sciences.

Gamma Ray and Neutron Dosimetry for a Self-shielded, Hospital Cyclotron.

Oona Maeve Renee Campbell, of Beirut, Lebanon; B.S. American University of Beirut, 1981; Sc.M. The Johns Hopkins University, 1983. Population Dynamics.

A Prospective Study of Breastfeeding Patterns and the Resumption of Ovarian Activity Postpartum.

Suzette C. Chance, of Baltimore, Md.; B.S. University of Minnesota, 1981. Biochemistry.

Membrane Proteins of Dense Lysosomes from Chinese Hamster Ovary Cells.

Carole B. Christian, of Birmingham, Ala.; B.S. Duquesne University, 1969; M.S. University of Maryland, 1979. Immunology and Infectious Diseases.

Interactions of Human Papillomavirus Type 1 with Cultured Cells of Respiratory Tract Origin.

Jinho Chung, of Seoul, Korea; B.S. Seoul National University, 1978; M.S., 1980. Environmental Health Sciences.

Role of Quinone Reductase in in vivo Ethanol Metabolism and Toxicity.

Noah Dan Cohen, of Toronto, Canada; B.A. University of Pennsylvania, 1979; V.M.D., 1983. M.P.H. The Johns Hopkins University, 1986. Epidemiology.

The Risk of Retroviral Transmission by Transfusion.

Margaret Anne Connolly, of Marion, Md.; B.S. Cornell University, 1978; M.S. Michigan State University, 1982. Biostatistics.

Logistic Models for Familial Association of Binary Traits.

Gail Adair Cornwall, of Hudson, Wis.; B.S. Brigham Young University, 1980; M.S., 1982. Population Dynamics.

Induction of Progressive Motility in Immature Hamster Caput Epididymal Spermatozoa in vitro: A Model for the Study of Epididymal Sperm Sulfhydryl Oxidation and its Role in the Maturation of Sperm Motility.

- Mary Frances Cotch, of Troy, N.Y.; B.A. State University of New York at Albany, 1983. Epidemiology.
Path Analysis of Familial Resemblance: Application to Pulmonary Function.
- Steven Scott Coughlin, of San Diego, Calif.; B.S. University of Nevada, 1978; M.P.H. San Diego State University, 1984. Epidemiology.
A Case-Control Study of Dilated Cardiomyopathy.
- Mary Shanna Croughan-Minihane, of Novato, Calif.; B.S. University of California, Davis, 1982. Epidemiology.
Morbidity Among Breech Infants According to Method of Delivery.
- Mary Elias Deeb, of Beirut, Lebanon; B.A. American University of Beirut, 1973; M.P.H., 1976. Population Dynamics.
Household Structure as Related to Childhood Mortality and Morbidity among Low-income Areas in Amman, Jordan.
- Susan Shiryn Eslami, of Lausanne, Switzerland; B.S. University of Lausanne, 1981. Population Dynamics.
Predictors of Ovulation in Breastfeeding Women in Manila, the Philippines.
- Sheila Taft Fitzgerald, of Reston, Va.; B.S.N. University of Wisconsin, 1964; M.S.N. University of Pennsylvania, 1973. Environmental Health Sciences.
Factors Influencing Return to Work after Percutaneous Transluminal Coronary Angioplasty.
- Patricia Leehan Fleming, of Scotch Plains, N.J.; B.A. Montclair State College, 1968; M.S. Seton Hall University, 1976. Population Dynamics.
The Influence of Birth Spacing on Child Growth.
- Shannon Lynne Gleason, of New Haven, Mich.; B.S. Wayne State University, 1980. Immunology and Infectious Diseases.
Diversity of the Autoantibody Response in Murine Experimental Autoimmune Thyroiditis.
- Steven David Goodman, of Philadelphia, Pa.; B.A. University of Pennsylvania, 1981. Biochemistry.
Specific DNA-Protein Interactions in Gram Negative Bacteria.
- Barbara Lee Greenberg, of Fort Lee, N.J.; B.S. University of Maryland, 1974; Sc.M. The Johns Hopkins University, 1980. Immunology and Infectious Diseases.
A Study on Measles Associated Diarrhea in Lima, Peru.
- Yue-Liang Leon Guo, of Tainan, Taiwan; M.B. National Taiwan University, 1982; M.P.H. Harvard University, 1983. Environmental Health Sciences.
A Study of the Mechanism of Phosgene Induced Lung Injury: The Role of Arachidonate Mediators.
- Jean Wood Gupta, of Baltimore, Md.; B.S. New Mexico Institute of Mining and Technology, 1974. Immunology and Infectious Diseases.
The Role of Papillomaviruses in Lower Genital Tract Neoplasia: A Study by in Situ Hybridization.
- Doreen G. Hill, of Annapolis, Md.; B.A. Indiana University, 1973; M.S. Georgetown University, 1976; M.P.H. The Johns Hopkins University, 1978. Epidemiology.
A Longitudinal Study of a Cohort with Past Exposure to Radar: The MIT Radiation Laboratory Follow-up Study.
- Ann Wu-Fung-Fung Hsing, of Taipei, Taiwan; B.S. China Medical College, 1979; M.P.H. University of California, Los Angeles, 1981. Epidemiology.
Pre-diagnostic Serum Hormones and Prostate Cancer.
- Katherine Louise Hunting, of Mission Viejo, Calif.; B.S. University of California, Riverside, 1978; M.P.H. The Johns Hopkins University, 1981. Epidemiology.
Solvent Exposure and Accidents Among Painters.
- Mohamed Sofi Ibrahim, of Cairo, Egypt; B.Sc. Ain Shams University, 1976; M.Sc., 1981. Immunology and Infectious Diseases.
Quantitative Studies on the Infection of Aedes scutellaris Complex (Diptera: Culicidae) and Meriones unguiculatus (Rodentia: Cricetidae) with Brugia pahangi.
- Beryl Ann Koblin, of Baltimore, Md.; B.A. University of Delaware, 1978; Sc.M. The Johns Hopkins University, 1982. Epidemiology.
The Response of Preterm Infants to DPT Vaccine.
- Chou-Chi Huang Li, of Rockville, Md.; B.S. National Taiwan University, 1973; M.S. University of Pittsburgh, 1975. Immunology and Infectious Diseases.
Expression and Characterization of the Human Papillomavirus Type 6b Open Reading Frame Proteins.
- Robert Wilson Linkins, of Gaithersburg, Md.; B.A. Gordon College, 1979; M.P.H. University of California, Berkeley, 1983. Epidemiology.
Depressed Mood and Development of Cancer.
- Saou-Hsing Liou, of Taipei, Taiwan; B.M. National Defense Medical Center, 1980. Environmental Health Sciences.
Biological Monitoring of Carcinogen Exposure Effects among Firefighters.
- Kurt Richard Maurer, of Olney, Md.; B.A. University of Florida, 1970; M.A. Wichita State University, 1974. Epidemiology.
The Epidemiology of Gallstone Disease in the Mexican American, Cuban American and Puerto Rican Populations of the United States, 1982-84.
- Geraldine Marie McQuillan, of New York, N.Y.; B.S. St. Bonaventure University, 1970; M.S. Catholic University of America, 1972. Epidemiology.
The Seroepidemiology of Hepatitis B Virus Infection in the United States, 1976-1980.
- Kojo Anzah Mensa-Wilmot, of Bekwai, Ghana; B.Sc. University of Ghana, 1979. Biochemistry.
Purified Protein Systems for the Specific Initiation and Regulation of Bacteriophage Lambda DNA Replication.
- Rebecca F. Moreland, of Baltimore, Md.; B.S.N. University of Virginia, 1974; M.P.H. The Johns Hopkins University, 1976. Environmental Health Sciences.
Medical Evaluation of Carpal Tunnel Syndrome in a Working Population.
- Jaana Leena Myllyluoma, of Kauniainen, Finland; B.A. George Mason University, 1978; M.A. Georgetown University, 1980. Population Dynamics.
Lifestyle and First Pregnancy among Finnish Adolescents.

- Cruz Maria Nazario-Delgado, of Trujillo Alto, Puerto Rico; B.A. University of Puerto Rico, 1966; M.S., 1976. Epidemiology.
A Case-Control Study of Gastric Cancer in Puerto Rico.
- Cheryl Lynn Nickerson, of Portland, Me.; B.S. University of Maine, 1982. Environmental Health Sciences.
Suppression of Pulmonary Defenses during Virulent and Avirulent Influenza Virus Infections.
- Gunta Iris Obrams, of Alexandria, Va.; B.S. Rensselaer Polytechnic Institute, 1977; M.D. Albany Medical College, 1977; M.P.H. The Johns Hopkins University, 1982. Epidemiology.
Leukemias in Telephone Lineman.
- Euk Yul Oh, of Palos Verdes, Calif.; B.S. University of California, Los Angeles, 1981. Biochemistry.
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A Case-Control Study of Lead Exposure and Other Risk Factors for Gouty Arthritis.
- Kathleen Clausing Raffaele, of Baltimore, Md.; B.A. Washington University, 1978; M.P.H. Columbia University, 1983. Environmental Health Sciences.
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- Karin Ann Rosenblatt, of Baltimore, Md.; B.A. University of California, Santa Cruz, 1975; M.P.H. University of Michigan, 1977. Epidemiology.
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- Mohammad Sarai, of Hamadan, Iran; B.S. University of Teheran, 1970; M.S.P.H., 1975. Environmental Health Sciences.
Some Factors Influencing the Survival of Coliform Bacteria in Aquatic Sediments.
- Shelley Susan Sehnert, of Baltimore, Md.; B.A. College of Notre Dame of Maryland, 1976; M.S. University of Southern California, 1984. Environmental Health Sciences.
Physicochemical Determinants of the Respiratory Bioavailability of Particle-Adsorbed Environmental Agents.
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- Stephanie Lorraine Simek, of Stratford, Conn.; B.S. University of Connecticut, 1974; M.S., 1976. Immunology and Infectious Diseases.
The Characterization of the V-REL and C-REL Proteins.
- Laura Avis Siminoff, of Pittsburgh, Pa.; B.A. McGill University, 1975; M.A. University of New Brunswick, 1978. Behavioral Sciences and Health Education.
Description and Correlates of Breast Cancer Adjuvant Treatment Decisions.
- Eleanor Marie Simonsick, of Baltimore, Md.; B.A. The Johns Hopkins University, 1980. Behavioral Sciences and Health Education.
Hazards of Healthful Behavior: The Case of Long Distance Running.
- Kathleen Specht, of Pennsburg, Pa.; B.S. Albright College, 1983. Environmental Health Sciences.
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- Bonita Gay Taffe, of Sudbury, Mass.; B.S. University of Connecticut, 1976; M.P.H. Columbia University, 1981. Environmental Health Sciences.
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- Susan Louise Thompson-Gorman, of Baltimore, Md.; B.A. Kenyon College, 1983. Environmental Health Sciences.
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- Monica Doerr Traystman, of Baltimore, Md.; B.A. St. Andrews Presbyterian College, 1966; M.S. The Johns Hopkins University, 1982. Immunology and Infectious Diseases.
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- Claudia Ruth Turner, of Baltimore, Md.; B.S. Bates College, 1976; M.S. Pennsylvania State University, 1983. Environmental Health Sciences.
Mast Cell Function and the Late Asthmatic Response of the Canine Peripheral Lung.
- Benjamin Ceribo Vitasa, of Manila, Philippines; B.S. University of the Philippines, 1965; M.D., 1972; M.P.H. The Johns Hopkins University, 1985. Environmental Health Sciences.
Association of Nonmelanoma Skin Cancer and Actinic Keratosis with Cumulative Ultraviolet Exposure and Persons Holding Maryland Licenses.
- David Vlahov, of Baltimore, Md.; B.A. Earlham College, 1974; B.S.N. University of Maryland, 1977; M.S. 1980. Epidemiology.
Epidemiology of HIV Infection among Imprisoned Drug Users.

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Genetic Analysis of the Mouse RNA Polymerase II Largest Subunit.

Donna Mia Benko, of Timonium, Md.; B.S. Pennsylvania, State University, 1981. Pharmacology and Molecular Sciences.

Identification and Characterization of the Virion Glycoproteins of Human and Simian Cytomegaloviruses.

Gretchen Alethea Bradow, of Baltimore, Md.; B.A. Bryn Mawr College, 1981. Pharmacology and Molecular Sciences.

Intramolecular Rearrangement of Acyl-linked Glucuronides.

Jeffrey M. Chernak, of Baltimore, Md.; B.A. Cornell University, 1980. Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics.

Expression and Regulation of Two Proteins Encoded by the Bacterial Transposable Element IS5.

Robert John D'Amato, of Lancaster, Pa.; B.A. The Johns Hopkins University, 1983. Neuroscience.

Parkinson's Disease: Studies on the Pathology of the Disease and the Mechanism of Action of the Neurotoxin MPTP.

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DNA Topoisomerase II in Chromosome Structure and Cell Proliferation.

Gordon Duane Holt, of St. Louis, Mo.; B.A. Washington University in St. Louis, 1982. Biochemistry Cellular and Molecular Training Program-Biological Chemistry.

Cytoplasmic and Nucleoplasmic Glycosylation.

Kenneth Wayne Kinzler, of Philadelphia, Pa.; B.S. Philadelphia College of Pharmacy and Science, 1983. Pharmacology and Molecular Sciences.

Gene Amplification in Human Cancer.

Peter Klein, of Williamsville, N.Y.; B.A. Harvard University, 1980. Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry.

Characterization of a Eukaryotic Chemoattractant Receptor, the cAMP Receptor of Dictyostelium Discoideum.

Samuel Arthur Lewis, of Baltimore, Md.; B.S. University of California, Davis, 1981. Biochemistry, Cellular and Molecular Biology Training Program-Pharmacology and Molecular Sciences.

Schistosoma mansoni: Characterization of Proteins and Immunogens Released by Adult Parasites.

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Development of a Soluble Cell-Free System for the Replication of SV40 DNA.

David Robinson Lynch, of Houston, Texas; B.S. Yale University, 1981. Neuroscience.

Enkephalin Convertase: Characterization and Localization with [³H]-Guanidinoethylmercaptosuccinic Acid.

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The High Affinity Cannabinoid Binding Site in Brain: A Possible Marijuana Receptor.

Masako Okajima of Silver Spring, Md.; B.S. University of Maryland, 1978; M.S. George Washington University, 1981. Molecular Biology and Genetics-Immunology.

Lymphocyte Activation via Receptor Cross-Linkage by Macromolecules: Molecular Properties Influencing Activation and Inhibition by Haptenated Polymers.

Tracy Simpson Olson, of New Carrollton, Md.; B.S. University of Delaware, 1982; B.A., 1982. Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry.

Acquisition of Insulin Binding Function by the Insulin Proreceptor in 3T3-L1 Adipocytes.

Philip Jacob Rosenfeld, of Baltimore, Md.; B.A. Case Western Reserve University, 1979. Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics.

The Role of Cellular Sequence-Specific DNA Binding Proteins in the Replication of Adenovirus DNA.

Leslie Nadine Russek, of Storrs, Conn.; B.A. Harvard University, 1983. Biomedical Engineering.

The Effects of High Potassium on Calcium Fluxes in Rabbit Aorta.

James Louis Sherley, of Memphis, Tenn.; B.A. Harvard University, 1980. Biochemistry, Cellular and Molecular Biology Training Program-Molecular Biology and Genetics.

Towards Understanding the Control of Chromosomal DNA Replication: Studies on the Human Cytosolic Thymidine Kinase.

Pamela Beth Sklar, of Baltimore, Md.; B.A. St. John's College, 1981; M.D. The Johns Hopkins University, 1985. Neuroscience.

Signal Transduction in the Olfactory System. The Odorant-Stimulated Adenylate Cyclase and Odorant Binding Protein.

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Designing Disulfide Bonds in Proteins of Known Structure.

Timothy Daniel Tom, of San Diego, Calif.; B.A. University of California, San Diego, 1980. Pharmacology and Molecular Sciences.

Cloning, Expression and Characterization of cDNAs Encoding Immunogenic and Surface Proteins of Schistosoma mansoni.

John Gerard Tower, of Baltimore, Md.; B.A. Alfred University, 1982. Biochemistry, Cellular and Molecular Biology Training Program-Biological Chemistry.

Regulation of Mouse RNA Polymerase I Transcription.

John Alan Wagner, of Collegeville, Pa.; B.A. The Johns Hopkins University, 1983. Neuroscience.

Characterization of [¹²⁵I] Omega-Conotoxin Binding to

Brain N Calcium Channels and (-)[³H] Desmethoxy-verapamil Binding to Novel Calcium Channels in Osteoblast-like Osteosarcoma Cells.

Arthur William Wallace, of Orinda, Calif.; B.S. Yale College, 1981. Biomedical Engineering.

Interaction of Pulmonary Artery, Pulmonary Vein, and Carotid Sinus Baroreceptors in the Open Loop Steady State Control of Systemic Vascular Resistance in the Dog.

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Differentiation-Related Antigens of the F9 Teratocarcinoma Cell.

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Effects of Insulin on Electrical Activity of Skeletal Muscle.

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The Preparation, Characterization and Use of Inorganic Iron (III) Polymers for Coagulation In Water Treatment.

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Effects of Buoyancy on Heat Transfer in Vertical, Uniformly Heated Channels.

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Equation of State Description of Thermodynamic Properties for Hydrogen Bonding Systems.

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Oblique and Alternating Projections: Formulas, Algorithms, and Error Bounds.

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Computational Analysis of Pressure Wave Propagation in a Bubbly Liquid.

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Interleaved and Concatenated coding for the Turbulent Atmospheric Direct Detection Optical Communication Channel.

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Salmonid Spawning Gravels: A Geomorphic Perspective on Their Size Distribution, Modification by Spawning Fish, and Criteria for Gravel Quality.

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Multi-Objective Programming in the U.S.S.R., A Methodological Assessment of the Development and State of Soviet Research.

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The High Pressure Phase Equilibrium of the Polystyrene-Toluene-Ethane System.

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A Study of the Corrosion of Polyethylene Coated Pipeline Steel in Soils using Electrochemical Impedance Spectroscopy (EIS).

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Free-Radical Oxidation of Cumene in Supercritical Fluid Media.

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Parallel Implementations of Gradient Based Iterative Algorithms for Optimal Control Problems.
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Experimental Studies of Selective Acid Gas Removal: Absorption of Hydrogen Sulfide and Carbon Dioxide into Aqueous Methyldiethanolamine using Packed Columns.
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Holographic Velocimetry as a Flow Diagnostic Tool in the Evaluation of Prosthetic Heart Valves.
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A Stochastic Multiobjective Analysis of Real-Time Flood Control Operation in a Multipurpose Reservoir.
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Compiling Equational Programs into Efficient Machine Code.
- Subhash Suri, of Bareilly, India; B.E. University of Roorkee, India, 1981; M.S.E. The Johns Hopkins University, 1985. Computer Science.
Minimum Link Paths in Polygons and Related Applications.
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Acoustic Loss and Frequency Stability Studies of Gamma and Proton Irradiated Alpha Quartz Resonators.
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Shell Finite Element Kinematics for Improved Bending, Membrane and Transverse Shear Behavior.
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Obnoxious Facility Location Problems on Tree Networks.
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Physicochemical Aspects of Particle Deposition in Porous Media.
- Jianliang Wang, of Beijing, China; B.S. Beijing Institute of Technology, 1982; M.S.E. The Johns Hopkins University, 1985. Electrical and Computer Engineering.
On Linearization Families of Nonlinear Systems and Nonlinear Control Laws.
- Yu-lin Wang, of Taipei, Taiwan; B.S.E. National Taiwan University, 1980; M.S.E. The Johns Hopkins University, 1984. Electrical and Computer Engineering.
Study of the Passively Mode-Locked Ar⁺-Dye Laser System.
- Chonghua Yao, of Shanghai, China; M.S. Beijing Normal University, 1981. Geography and Environmental Engineering.
The Preparation of Polymeric Aluminum Chloride (PACl) and its Application in Water Treatment.

DOCTORS OF PHILOSOPHY

in The School of Arts and Sciences

- Shigeru Akiyama, of Tokyo, Japan; B.E. University of Electro-Communications, 1973; M.Econ. Hitotsubashi University, 1976. Political Economy.
A Model of Dynamic Supply Responses in the Long Run and in the Short Run: A Case of Copper.
- David John Anastasio, of Camp Hill, Pa.; B.A. Franklin and Marshall College, 1980; M.A. The Johns Hopkins University, 1984. Earth and Planetary Sciences.
Thrusting, Halotectonics and Sedimentation in the External Sierra, Southern Pyrenees, Spain.
- Gina Arents, of Upperco, Md.; B.A. Goucher College, 1975. Biophysics.
Structure and Refinement at 1.5 Å Resolution of a Monomeric Hemoglobin from Glycera dibranchiata.
- Sven Arntzen, of Oslo, Norway; M.A. The Johns Hopkins University, 1980. Philosophy.
Kant's Theory of Juridical Duties and Their Legislation: an Examination of the Relationship of Law and Morality According to Metaphysik der Sitten.
- Salvatore Joseph Arrigo, of Washington, D.C.; B.A. University of Virginia, 1982. Biology.
Cis-acting regulatory elements within the gag genes of avian retroviruses.
- Tommaso Astarita, of Naples, Italy; B.A. Università degli Studi di Napoli, 1983; M.A. The Johns Hopkins University, 1985. History.
The Caracciolo di Brienza in Spanish Naples: A Case Study in the Continuity of Feudal Power, 1550-1720.
- Brian Henry Balogh, of Baltimore, Md.; B.A. Harvard University, 1975; M.A. The Johns Hopkins University, 1984. History.
Trouble in Paradise: Institutionalized Expertise in the Development of Nuclear Power, 1945-1975.
- Mary Louise Barrett, of Baltimore, Md.; B.S. Stephen F. Austin State University, 1978; M.S., 1980. Earth and Planetary Sciences.
The Dolomitization and Diagenesis of the Jurassic Smackover Formation, Southern Alabama.

- Alan Hendrie Beggs, III, of Baltimore, Md.; B.A. Cornell University, 1982. Biology.
Regulation of JC virus T-antigen expression and analysis of oncogene function using serum-free medium.
- Debra Anne Belt, of Decatur, Ala.; B.A. Agnes Scott College, 1975; M.A. The Johns Hopkins University, 1980. English.
The Poetics of Hostile Response: Writers and Critical Readers in Sixteenth-Century England.
- Russell Dean Benjamin, of Greenfield, Minn.; B.A. University of Minnesota, 1979; M.A. The Johns Hopkins University, 1982. Physics and Astronomy.
A Vacuum Ultraviolet Study of the Alcator C Tokamak Plasma using A High Resolution, One Dimensional Photon Counting Detector.
- Paul Scott Blank, of Baltimore, Md. Biophysics.
A Quasi-elastic Light Scattering Study of Axonal Transport.
- Susan Willey Blood, of Bellingham, Wash.; B.A. Reed College, 1979. French.
The Ethical Imperative in Bandelaire's Aesthetics.
- John David Brantley, of San Antonio, Texas; B.A. University of Miami, 1980. Biophysics.
Labeling a Specific Sequence of Chromatin for Electron Microscopy.
- Gabriella Amalia Bucci, of Washington, D.C.; B.A. The Johns Hopkins University, 1982; M.A., 1985. Political Economy.
Urban-Rural Income Differentials, Migration, and Development: A Case Study of India.
- Alicia Jean Buckler-White, of Columbia, Md.; B.A. Hiram College, 1972. Biology.
The Role of the Nuclear Matrix in Polyoma Viral DNA Replication.
- Agustine Joseph Caffrey, III, of Idaho Falls, Idaho; B.A. College of the Holy Cross, 1973; M.A. The Johns Hopkins University, 1977. Physics and Astronomy.
Aspects of Pion and Muon Capture.
- Karen Ann Canella, of Delta, Pa.; B.S. Drexel University, 1980. Chemistry.
The Formation of O-Lithio Lithium Phenoxide and The Total Synthesis of Juncunol: a 9, 10-Dihydro-phenanthrene Natural Product.
- Kristen Kyle Carlberg, of Columbia, Md.; B.A. University of Washington, 1977. Biology.
Localization and biological characterization of transcriptional regulatory elements within the gag genes of avian sarcoma viruses.
- Jeffrey Alan Charles, of Baltimore, Md.; M.A. The Johns Hopkins University, 1982. History.
Servive Clubs in Twentieth Century America.
- Mair Elisa Annabelle Churchill, of Radford, Va.; B.A. Swarthmore College, 1981. Chemistry.
Hydroxyl Radical Cleavage of DNA: Structural Studies on the TFIIIA-5S Gene Complex and on Models for the Holiday Recombination Intermediate.
- Frederick William Conrad, of University City, Mo.; B.A. Washington University in St. Louis, 1982; M.A. The Johns Hopkins University, 1984. History.
A Preservative Against Tyranny: the Political Theology of Sir Thomas Elyot.
- Joseph Paul Cousins, of Round Lake, N.Y.; B.S. Le Moyne College, 1974; M.A. Fordham University, 1978; M.A. The Johns Hopkins University, 1983. Chemistry.
Nuclear Magnetic Resonance Studies of Diazotate Mediated Benzyl Carbonium Ion Reactions with Model Peptides and Alpha-Chymotrypsin.
- Clifton Charles Crais, of Washington, D.C.; M.A. The Johns Hopkins University, 1984. History.
The Making of the Colonial Order in the Eastern Cape: White Supremacy and African Resistance in Pre-Industrial South Africa, 1770-1853.
- Thomas Anthony Dahl, of Syracuse, N.Y. Biology.
Pure Singlet Oxygen: Cytotoxicity Without Mutagenicity for Bacteria and Some Biological Defense Mechanisms.
- Paul Talbot Decker, of Jacksonville, Ill. Political Economy.
Job Characteristics Wage Variation and Labor Supply: Theory and Estimation.
- Julie Ann De Loia, of Ellwood City, Pa.; B.S. Westminster College, 1981. Biology.
HBV Gene Expression in Transgenic Mice.
- Peter Eugene Digeser, of Delmar, NY.; B.A. State University at Buffalo, 1980; M.Sc. University of London, 1981; M.A. The Johns Hopkins University, 1984. Political Science.
The Conversational and the Confrontational in Democratic Theory.
- Joseph Leo Domagalski, of Hammond, Ind.; B.A. Indiana University, 1978; M.S. 1980. Earth and Planetary Sciences.
Trace Metal and Organic Geochemistry of Closed Basin Lakes.
- Beth Anne Dombroski, of Reading, Pa.; B.A. Shippensburg University, 1982. Chemistry.
Development and Application of a Method Employing Hydroxyl Radical Chemistry to Examine Local DNA Structure and Protein-DNA Interactions.
- Christopher Dreisbach, of Baltimore, Md.; B.A. Hamline University, 1979; M.A. The Johns Hopkins University, 1981. Philosophy.
The Morality of Art: Collingwood's View.
- Sue Wakeman Farquhar, of Annapolis, Md.; B.A. Sweet Briar College, 1963. French.
Doubt, Imagination and the Self-Portrait in Montaigne's Essais.
- Lydia Magalhaes Garner, of Edgewater, Md.; B.A. University of Texas at Arlington, 1979; M.A. The Johns Hopkins University, 1982. History.
In Pursuit of Order: A Study in Brazilian Centralization.
- Michelle Frances Gaudette, of St. Louis, Mo. Biology.
Chromosomal DNA Replication Xenopus laevis Embryos.

- Jay Michael Gillen, of Ottawa, Ontario, Canada; B.A. Yale University, 1981; M.A. The Johns Hopkins University, 1986. Humanities.
Rhetorical Invention in the Poetry of Robert Browning.
- Jane A. Gilotti, of Bethlehem, Pa.; B.A. University of Maine at Orono, 1978; M.A. The Johns Hopkins University, 1984. Earth and Planetary Sciences.
The Role of Ductile Deformation in the Emplacement of the Sarv Thrust Sheet, Swedish Caledonides.
- Robert Kent Goldhammer, of Winchester, Mass.; M.S. University of Oklahoma, 1982. Earth and Planetary Sciences.
Platform Carbonate Cycles, Middle Triassic, Dolomites, Northern Italy.
- Bjorn Gunnarsson, of Irvington, N.Y.; B.S. University of Iceland, 1980. Earth and Planetary Sciences.
Petrology and Petrogenesis of Silicic and Intermediate Lavas on a Propagating Oceanic Rift: Torfajökull and Hekla Central Volcanoes South-Central Iceland.
- Myun Ki Han, of Lawndale, Calif.; B.A. University of California, San Diego, 1982. Biology.
Fluorescence Studies on Enzyme I of the PTS and on Thioredoxin.
- Darryl Glenn Hart, of Levittown, Pa.; B.A. Temple University, 1979; M.A.R. Westminster Theological Seminary, 1981; M.A. The Johns Hopkins University, 1985. History.
'Doctor Fundamentalis': An Intellectual Biography of J. Gresham Machen, 1881-1938.
- Catherine Healey, of Jersey City, N.J.; M.A. The Johns Hopkins University, 1980. History.
Ennobled Lives: The Phélypeaux at Pontchartrain, 1609-1727.
- Deborah Ann Heath, of Minneapolis, Minn.; B.A. Reed College, 1975; M.A. University of Minnesota, 1978. Anthropology.
The Politics of Signifying Practice in Kaolack, Senegal: Hegemony and the Dialectic of Autonomy and Domination.
- Philip Stephen Hicks, of St. Petersburg, Fla.; M.A. The Johns Hopkins University, 1985. History.
Historical Culture from Clarendon to Hume: the Fortunes of Classic British History, 1671-1757.
- Nancy Joan Hirschmann, of Philadelphia, Pa.; B.A. Smith College, 1978; M.A. The Johns Hopkins University, 1982. Political Science.
Political Obligation and Feminist Theory.
- Eugene Saul Ilton, of Irvington, N.Y.; M.A. The Johns Hopkins University, 1987. Earth and Planetary Sciences.
Base Metal Exchange Between Rock-forming Silicates, Oxides, and Hydrothermal/Metamorphic Fluids.
- Shanyu Ji, of Shanghai, China; B.S. East China Normal University, 1982; M.A. The Johns Hopkins University, 1986. Mathematics.
Uniqueness Problem, Image of Hypersurfaces and Nevanlinna Theorems in Push-forward Version.
- Virgil Evans Johnson, of Gaithersburg, Md. Earth and Planetary Sciences.
Periodic vortex ring cavity formation in an excited submerged jet.
- Frank James Kearney, of Tampa, Fla.; B.A. Loyola University, 1979; M.A. The Johns Hopkins University, 1983. Psychology.
Persons With Mental Health Retardation Leaving Mental Health Institutions: An Empirical Follow-up Study After Five Years in the Community.
- Ashfaq Hasan Khan, of Karachi, Pakistan; M.A. McMaster University, Canada, 1978; M.A. The Johns Hopkins University, 1986. Political Economy.
A Macroeconometric Study of the Growth Prospects of Pakistan's Economy.
- Hyun Kwang Kim, of Seoul, Korea; B.S. Seoul National University, 1979; M.S., 1981. Mathematics.
A Conjecture of S. Chowla and related topics in Analytic Number Theory.
- Archibald Douglas Kincaid, of Miami, Fla.; B.A. Dartmouth University, 1973; M.A. University of North Carolina, 1979. Sociology.
Agrarian Development, Peasant Mobilization, and Social Change in Central America: A Comparative Study.
- Mark Lawrence Kornbluh, of University City, Mo.; M.A. The Johns Hopkins University, 1979. History.
From Participatory to Administrative Politics: A Social History of American Political Behavior, 1880-1918.
- Kathryn Ann Lee, of Spokane, Wash.; B.A. Wake Forest University, 1978; M.A. The Johns Hopkins University, 1982. Political Science.
Law in the Crucible of Change: Women's Rights and State Supreme Court Policymaking, 1865-1920.
- Stephen Connor Lerch, of Silver Spring, Md.; B.A. Indiana University, 1979; M.A. The Johns Hopkins University, 1981. Political Economy.
A Microeconomic Investigation of Social Security and Saving Behavior in the Life Cycle Hypothesis.
- Cornelius Hyman Lettinga, of St. Paul, Minn.; B.A. Calvin College, 1976; M.A. The Johns Hopkins University, 1979. History.
Covenant Theology and the Transformation of Anglicanism.
- Laura Ellen Levine, of New York, N.Y.; B.A. Bryn Mawr College, 1976; M.A. The Johns Hopkins University, 1983. English.
Men in Women's Clothing: Anti-Theatricality and Effeminization from 1579 to 1642.
- Dominic Song Ching Li, of Toronto, Ontario, Canada; B.C. University of Toronto, 1978. Political Economy.
A Study of Neoclassical Macroeconomic Models.
- Eric T. Lincke, of Marquette, Mich.; B.S. Northern Michigan University, 1980; M.A. The Johns Hopkins University, 1983. Physics and Astronomy.
A Search for the Oscillation of Muon Neutrinos to Electron Neutrinos.

- Ira Paul Lowenthal, of Port-au-Prince, Haiti; B.A. Yale University, 1972; M.A. The Johns Hopkins University, 1984. Anthropology.
'Marriage is 20, Children are 21:' The Cultural Construction of Conjugalinity and the Family in Rural Haiti.
- Peter Marshall Lukehart, of Bethlehem, Pa.; B.A. Eckerd College, 1977; M.A. Temple University, 1980. History of Art.
Contending Ideals: The Nobility of G. B. Paggi and the Nobility of Painting.
- John Kent Lydecker, of Oak Park, Ill.; B.A. Rice University, 1971; M.A. Cornell University, 1975. History of Art.
The Domestic Setting of the Arts in Renaissance Florence.
- John Douglas MacIsaac, of Mt. Vernon, N.Y.; B.A. Fordham University, 1966. Classics.
The Location of the Republican Mint of Rome and the Topography of the Arx of the Capitoline.
- Shi-Shan Mao, of Taipei, Taiwan; B.S. National Tsing Hua University, 1978. Chemistry.
Biosynthetic Studies on Clavulanic Acid: Its Biopathway and Stereo-chemical Course.
- Richard Dean McCullough, of Mesquite, Texas; B.S. University of Texas at Dallas, 1982; M.A. The Johns Hopkins University, 1987. Chemistry.
Synthesis and Development of Heterocyclic Chalcogen pi-Donor Molecules as Components for Organic Metals.
- Scott Neal Morschauer, of Blackwood, N.J.; B.A. Gettysburg College, 1977; M.A. The Johns Hopkins University, 1980. Near Eastern Studies.
Threat Formulae in Ancient Egypt.
- Michael David Muchow, of Salt Lake City, Utah; B.A. University of Utah, 1977; M.A. The Johns Hopkins University, 1979. Classics.
Passionate Love and Respectable Society in three Greek Novels.
- Paul Andrew Mullin, of Amherst, Mass.; B.A. Carleton College, 1984; M.A. The Johns Hopkins University, 1986. Psychology.
Capacity Limitations in Visual Word Processing.
- Daniel E. Nolle, of Tarkio, Mo.; B.A. University of Missouri, 1973; M.A., 1976. Political Economy.
Industrial Organization and International Trade Performance: An Empirical Analysis of U.S. Manufacturing Industries.
- William McEnery Offutt, of Bethesda, Md.; B.A. Stanford University, 1976; J.D., 1979; M.A. The Johns Hopkins University, 1983. History.
Law and Social Cohesion in a Plural Society: The Delaware Valley 1680-1710.
- Yuhtaro Ohmori, of Kure-city, Hiroshima, Japan; B.A. Keio University, 1976; M.A., 1979. History.
The Artillery of Mr. Locke.
- Li-Wen Pan, of Beijing, China; M.A. The Johns Hopkins University, 1982. Physics and Astronomy.
Multiphoton Above-Threshold Ionization of Atoms in Intense Laser Fields.
- Jeffrey Llewellyn Price, of Richmond, Va.; B.S. College of William and Mary, 1980. Biology.
Regulation of Antifreeze Protein Messenger RNA and a Female-Specific Messenger RNA in Winter Flounder: Evidence for Temperature and Photoperiod Effects.
- Michele Robinson, of London, Ontario, Canada; B.A. University of Toronto, 1978; M.Phil. University of Oxford, 1980; M.A. The Johns Hopkins University, 1982. English.
Figuring Out Women: Chaucer's Reading of the Anti-feminist Tradition.
- Jeffrey Adam Robl, of Bel Air, Md.; B.S. Loyola College, 1982. Chemistry.
A Total Synthesis of Natural Prostaglandin E₁ via a Versatile Prostaglandin H Analog Generated by a Novel Intramolecular Nitron-Alkene Cycloaddition.
- Neil Charles Saccamano, of Little Neck, N.Y.; B.A. State University of New York at Buffalo, 1975; M.A. The Johns Hopkins University, 1982. Humanities.
Publication, interpretation, and Neoclassicism: The Case of Swift.
- Magdalena Sofia Sanchez, of New York, N.Y.; B.A. Seton Hall University, 1981; M.A. The Johns Hopkins University, 1983. History.
Dynasty, State and Diplomacy in the Spain of Philip III.
- Donald Seto, of San Diego, Calif.; B.A. University of California, San Diego, 1980. Biology.
Purification and Characterization of Deoxyguanosine Triphosphate Triphosphohydrolase from E. coli and Its Relationship to E. coli optA1.
- Alan Meyer Shapiro, of Baltimore, Md.; B.S. Cornell University, 1983; M.A. The Johns Hopkins University, 1985. Earth and Planetary Sciences.
A Similarity Model of Nonlinear Convection.
- Deanna Marie Shemek, of Lincoln, Neb.; B.A. University of Nebraska, Lincoln, 1981; M.A. The Johns Hopkins University, 1985. Hispanic and Italian Studies.
Women in Ariosto's Orlando Furioso: Cultural Debates of Gender and Genre.
- Susan Jane Siggelakis, of Fords, N.J.; B.A. Rutgers University, 1979; M.A. The Johns Hopkins University, 1984. Political Science.
'Toxic Torts': Process, Outcome and Reform.
- Scott Michael Sokol, of New Windsor, N.Y.; B.A. Brandeis University, 1984; M.A. The Johns Hopkins University, 1986. Psychology.
The dissolution of arithmetic Knowledge: Implications for models of calculation.
- Barbara Ann Sosnowski, of Baltimore, Md.; B.A. University of California, Berkeley, 1981. Biology.
Developmental localization of a sperm-specific protein and isolation of its gene in the nematode, Caenorhabditis elegans.

- Barbette Stanley Spaeth, of Alexandria, Va.; B.A. Northwestern University, 1973; M.A., 1973. Classics.
The Goddess Ceres: A Study in Roman Religious Ideology.
- Deborah Anne Spratt, of Calgary, Alberta, Canada; B.S. University of Rochester, 1976; M.A. The Johns Hopkins University, 1978. Earth and Planetary Sciences.
Finite Strain and Deformation Mechanisms in Carbonate Thrust Sheets.
- Alfred Gerard Stern, of Elkton, Md.; B.S. Stockton State College, 1977; M.S. University of Maryland, 1979; M.A. The Johns Hopkins University, 1985. Chemistry.
Synthesis and Carbenic Rearrangement of Doubly Labeled Homobrexylidene.
- Nancy LaClair Stults, of Sarasota, Fla.; B.S. Mary Washington College, 1980. Biology.
Binding Characteristics and Dynamics of the Hepatic Galactose/N-Acetylgalactosamine Receptor on Mamalian Hepatocytes.
- Wah Keung Sze, of Hong Kong; M.A. The Johns Hopkins University, 1983. Physics and Astronomy.
On Neutrino Masses and Lepton Mixing.
- Hiroataka Tamanoi, of Matsuyama-shi, Ehime, Japan; B.S. University of Tokyo, 1981; M.S., 1983. Mathematics.
An index for hyperelliptic strings.
- Hiroshi Ueno, of Tokyo, Japan; B.E. Tohoku University, 1964; M.E., 1966; M.A. Massachusetts Institute of Technology, 1975; M.A. The Johns Hopkins University, 1985. Political Economy.
Two-Country Exchange Rate Dynamics with Current Account, Portfolio Balances and Sticky Prices.
- Stephen Owens Vaughan, of Chapel Hill, N.C.; B.S. University of North Carolina, Chapel Hill, 1983; M.A. The Johns Hopkins University, 1985. Chemistry.
The Experimental Determination of Absolute Differential and Integral Cross Sections for Electron Impact Excitation of the Allowed Transitions of Atomic Oxygen.
- Cenalo Thomas Aquinas Vaz, of Bombay, India; M.A. The Johns Hopkins University, 1983. Physics and Astronomy.
Quantum Gravity in More Than Four Dimensions.
- Jeffrey David Wallen, of Baltimore, Md.; B.A. Stanford University, 1977; M.A. Columbia University, 1980; M.A. The Johns Hopkins University, 1982. Humanities.
Aesthetic Vision and Revision: Walter Pater's Portraiture.
- Elizabeth See Watson, of Philadelphia, Pa.; M.A. University of Pennsylvania, 1979. Humanities.
The Symbolicae Quaestiones of Achille Bocchi: Cultural Contexts of an Emblem Book.
- David Peter Weinstein, of Farmington, Conn.; B.A. Colorado College, 1971; M.A. University of Connecticut, 1977. Political Science.
Spencer's Ethics of Equal Freedom
- Karen Louise Wetmore, of Bethesda, Md.; B.A. Colby College, 1973; M.S. University of Rhode Island, 1977. Earth and Planetary Sciences.
Test Strength Mobility and the Functional Morphology of Benthic Foraminifera.
- Susan Marie White, of Tucson, Ariz.; M.A. The Johns Hopkins University, 1981. Humanities.
The Cinema of Max Ophuls: Marginality, Magisterial Vision and the Figure of Woman.
- Elizabeth Corinne Wiggins, of Baltimore, Md.; B.S. University of North Carolina, Chapel Hill, 1980; M.A. The Johns Hopkins University, 1984. Psychology.
Procedural Innovations to Enhance Juror Comprehension in Complex Litigation.
- Sherilyn Coretta Williams, of Ferguson, Mo.; B.A. Oberlin College, 1981; M.A. The Johns Hopkins University, 1984. Earth and Planetary Science.
The Shear Strength of Gypsum Single and Polycrystals and Its Implications for Petrofabric Analysis.
- Corinne Wong, of Wayland, Mass.; B.A. Wellesley College, 1982. Biology.
Molecular Mechanisms of Mutation in Man: Part 1: Ring Chromosome 21 Formation; Part 2: Molecular Pathology of beta Thalassemia.
- Chaloeylakana Dhanasiri Wongtrangan, of Bangkok, Thailand; B.Sc. Chulalongkorn University, 1976; M.A. The Johns Hopkins University, 1980; M.A., 1983. Sociology.
Thai Elite Struggle in the 1932 Revolution.
- Daniel Wurmser, of Towson, Md.; B.A. The Johns Hopkins University, 1981; M.A., 1982. Physics and Astronomy.
Compactified Vacuum in Ten Dimensions.
- Gang Xiao, of Su Zhou, China; M.A. The Johns Hopkins University, 1982. Physics and Astronomy.
Magnetic and Electronic Studies of Artificial Metallic Solids: Amorphous, Superlattice and Granular Materials.
- Atsushi Yamaguchi, of Neyagawa, Osaka, Japan; B.S. Kyoto University, 1982; M.S., 1984. Mathematics.
Morava K-theory of Double Loop Spaces of Spheres.
- Ji-Jeng Yang, of Taipei, Taiwan; B.S. Taiwan Provincial College of Marine and Oceanic Technology, 1976; M.A. The Johns Hopkins University, 1986. Earth and Planetary Sciences.
A Study of the Equatorial Undercurrent.
- Kristin Eldyss Sorensen Zapalac, of Boston, Mass.; B.A. University of Texas at Austin, 1974; M.A., 1979; M.A. The Johns Hopkins University, 1982. History.
In His Image and Likeness: Political Iconography and Religious Change in Regensburg, 1500-1600.
- Xiao-wei Zhu, of Shanghai, China; M.A. The Johns Hopkins University, 1985. Mathematics.
The Classification of spinors under $GSpin_{14}$ over finite fields and its application.



The Johns Hopkins University • Homewood Campus • Baltimore, Maryland 21218

Office of The Registrar
75 Garland Hall

July 6, 1988

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 1988 Commencement Program:

1. Bachelors of Arts (Arts and Sciences)

Add: Shivendra Chopra, of Potomac, Md.

Delete: Nancy Armstrong	Jeffrey Theodore Newell
Loren J. Fox	Laura Elise Vasquez
Elizabeth Joan Guard	Jonathan Victor Zuck
Stephen Sanborn Nason	

2. Bachelors of Science in Biomedical Engineering (Engineering)

Delete: Christopher Denis Riemann

3. Bachelors of Science in Electrical Engineering (Engineering)

Add: James Hampton Baker, of Alexandria, Va.
Theodore Tsu-Ta Ying, of Winter Springs, Fla.

Delete: Richard Barry Elfenbein

4. Bachelors of Science in Mathematical Sciences (Engineering)

Add: David Paul McClure, of Washington, D.C.

Delete: Brian Clay Tarver

5. Bachelors of Arts (Engineering)

Delete: James Hampton Baker	Theodore Tsu-Ta Ying
Shivendra Chopra	

6. Bachelors of Mechanical Engineering (Engineering)

Add: James Michael Kowalewski, of Baltimore, Md.

7. Bachelors of Music (Peabody)

Delete: Trent Xavier Johnson

8. Associates of Science (Continuing Studies)

Delete: Rodell Theodore McLaughlin Michael George Ryan, Jr.
 Albert Garfield Ringgold

9. Masters of Science (Continuing Studies)

Delete: Kathleen Linsley Davis	Demetra M. Spanos
Teresa Santoro Hall	Debra Stevenson
Patricia Anne Highland	Mariam Ellen Taylor
Karen Lewald	Alexandra Thorn
Susan Clopein Mascaro	Harry C. Walker, Jr.
Joan N. Miller	Gail Bryant Wells
Donna Marie Sherman	

10. Masters of Administrative Science (Continuing Studies)

Delete: Charles Michael Briggs Janice Louise Zacker
 Shirley Jacqueline Smith

11. Certificates of Advanced Study (Continuing Studies)

Delete: Nettie Nevolia Baldwin

12. Masters of Music (Peabody)

Delete: Jonathan Leigh Parris

13. Masters of Arts (Advanced International Studies)

Add: Fernando J. Bautista, of Duitama, Colombia; B.A. University of Southern California, 1983.

 Jennifer Lynn Bisgard, of Madison, Wisc.; B.A. University of Michigan, 1985.

 Tai-sik Lee, of Seoul, Korea; B.A. Seoul National University, 1971.

 Thomas Leonard Rogers, of Belvedere, Calif.; B.A. University of California at Berkely, 1981.

13. Master of Arts (Advanced International Studies), cont'd.

Delete:	Pal Aasmundrud	Esther Puakela Kia'aina
	Victoria Afya Akyeampong	Anne E. Lawrence
	Oscar A. Alvarez	David Michael Layton
	Allen Eric Appen	Margaret R. Leddy
	Ben Wade Armfield	David S. Levy
	Mahalil HJ. Baharam	Alison Margaret Macdonald
	Rachel Rima Bayly	Stacy Lynne Malkin
	Mitchell P. Benedict	Jane Elizabeth Marcus
	Donna Lea Berg	Geoffrey Kennedy Masukawa
	Lisa C. Bjornson	William McGilvray
	Samuel Ezio Bozzolla	Alexander Andrew McPhail
	Karrye Yvonne Braxton	James Chitoshi Mihori, Jr.
	David L. Brickman	Edward Lloyd Mohr
	Elisa N. Brims	Patricia A. Nelson
	Pamela J. Buck	Sharynne George Nenon
	Katharine M. Campbell	Betsy London Nessen
	Jenifer Casalvieri	Sachiko Ohi
	Anne Clarac	Valerie Renee Ploumpis
	Catherine I. Connor	Jennifer Puchta
	Alison Leigh Davis	William Ross Pumfrey
	Rachel Ann de la Vega	Richard Hawley Stevens Raiford
	Jeffrey L. Doidge	John Alan Redpath
	George Marc Edelson	David Blake Richter
	Cemal Denizhan Erocal	Edmund M. Ruffin
	Fermin Fautsch	Douglas Richmond Russell
	David R. Feltman	Ann Shildneck
	Randy J. Freund	Gia Lynne Simms
	Gregg Howard Goldstein	J. R. Sirkin
	Peter Daniel Graves	James Baker Sitrick, Jr.
	Richard Edward Greene	Elizabeth L. Stack
	Elizabeth Ann Haines	Constance Taube
	Laura Anne Hastings	Stephen William Thompson
	Rachel Amalie Hermann	Diana Gail Turecek
	Mark Kenneth Hermes	Ekaterina Alexander Uzlyan
	Jerry Roland Hobbs	Pamela Sue Viglielmo
	Richard Franz Hoffman	Anne R. Weiner
	Katherine Sailer Hunter	Charles H. Wilbanks
	Susan Klavens Hutner	Andrew P. Wylegala
	Donald Emil Jacobson	Brian Paul Wynne
	Karen L. Jurew Ware	

14. Masters of International Public Policy (Advanced International Studies)

Add: Mahalil HJ. Baharam, of Malacca, Malaysia; B.A. University of Mayala, 1977.

14. Masters of International Public Policy (Advanced International Studies), cont'd.

Delete: Zeng-xun An Hironaka Takada
Francis A. Kornegay, Jr. Bernice Williams
Jacqueline Carole Rose

15. Master of Arts in International Affairs (Advanced International Studies)

Delete: Francisco Maria Castiglioni

16. Masters of Civil Engineering (Engineering)

Add: George E. Wirth, of Cockeysville, Md.; B.S.E. The Johns Hopkins University, 1983.

17. Masters of Science (Engineering)

Add: Chun-Choy Chan, of Columbia, Md.; B.S. National Taiwan University, 1973; M.S. Cleveland State University, 1975. Computer Science.

Philip Lee Cory, of Gambrills, Md.; B.S. University of Maryland, 1982. Computer Science.

George William Hartwig, Jr., of Havre de Grace, Md.; B.S. University of Illinois, 1969. Computer Science.

Peter M. Hastings, of Edgewater, Md.; B.S. Michigan State University, 1984. Computer Science.

Herbert Hopkins Holland, Jr., of Aberdeen, Md.; B.S. Stanford University, 1968. Computer Science.

Scott R. Legrys, of Columbia, Md.; B.S. Virginia Polytechnic and State University, 1978. Technical Management.

Arvid E. Myers, of Laurel, Md.; B.S. Auburn University, 1973; M.S. The Johns Hopkins University, 1984. Numerical Science.

Farid Naffah, of Baltimore, Md.; B.S. Columbia University, 1976. Computer Science.

Timothy Robert Oechsler, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1981. Electrical Engineering.

17. Masters of Science (Engineering), cont'd.

Add: Michael Roch, of Baltimore, Md.; B.E.S. The Johns Hopkins University, 1983. Computer Science.

Charles Lynwood Roe, of Silver Spring, Md.; B.S. University of Maryland, 1984. Technical Management.

George Joseph Salvaggio, of Severna Park, Md.; B.S. Dickinson College, 1980. Computer Science.

Eric John Scheidker, of Silver Spring, Md.; B.S. University of Texas, 1981. Numerical Science.

William Barton Sessions, of Ellicott City, Md.; B.S. Auburn University, 1958; M.S. Georgia Institute of Technology, 1965. Numerical Science.

Andrew D. Silberstein, of Roslyn Heights, N.Y.; B.S.E. Rutgers University, 1982.

Charles Robert Smith, of Wheaton, Md.; B.S.E.E.T. Devry Institute of Technology, 1982. Computer Science.

Holly Ann Smith, of Fallston, Md.; B.S. Roanoke College, 1982. Computer Science.

Donald Suit, of Columbia, Md.; B.S. University of Maryland, 1981. Computer Science.

Delete:	Etienne Max Deprit	Craig Hiatt Miller
	Dung Anh Huynh	Tri Luu Pham
	Edmund L. Laugel	Michael J. Salonish
	Daniel J. Marinelli	Gregory B. Turetzky

18. Master of Science in Engineering (Engineering)

Add: Douglas Arthur Lawrence, of Norwalk, Conn.; B.S. Lehigh University, 1983. Electrical and Computer Engineering.

Jun Li, of Shanghai, China; B.Sc. National University of Defense Technology, 1981; M.S. Old Dominion University, 1985. Biomedical Engineering.

Delete: Ronald Anthony Dombro Balrina Malik

19. Masters of Arts (Arts and Sciences)

Add: Brian Keith Brewer, of Barboursville, W. Va.; B.S. Marshall University, 1986. Chemistry.

Todd Lamar Graybill, of Manheim, Pa.; B.S. Juniata College, 1984. Chemistry.

Connie Belinda Grogan, of Cleveland, Ohio; B.A. Indiana University, 1983. Biology.

Christopher Reid Kincaid, of Topsfield, Mass.; B.A. Wesleyan University, 1983. Earth and Planetary Sciences.

Gang Ho Lee, of Chung Nam, Korea; B.S. Korea University, 1984. Chemistry.

Cherie Vaughn Miller, of Baltimore, Md.; B.A. Rollins College, 1977. Earth and Planetary Sciences.

Todd D. Nelson, of Rock Island, Ill. Chemistry.

Sandra Murray Reynolds, of Baltimore, Md.; B.A. Mt. St. Agnes College, 1967; M.Ed. Loyola College, 1970. Near Eastern Studies.

Johney Mancel Wages, Jr., of Tupelo, Miss.; B.S. Mississippi State University, 1983. Biology.

John Myles Wetzal, of Chesterhill, Ohio; B.S. Ohio University, 1982. Chemistry.

Delete: Katherine Ann Byse



